Beech 33, 35 Bonanza and Debonair
With IO-470-C, -J, -K, -N engine

Basic Kit:
- Part Number: L2F00015STP
- 1 2-Bladed Propeller: BHC-L2YF-1BF/F8468AR
- 1 Polished Spinner: A-2295-P
- 1 STC Document Set: SA818CE

Kit with Continental Oil Plug: (May be required for some IO-470-C, -N w/Beech Props)
- Part Number: L2F00015STP*1
- 1 2-Bladed Propeller: BHC-L2YF-1BF/F8468AR
- 1 Polished Spinner: A-2295-P
- 1 Continental Oil Plug: 633189
- 1 STC Document Set: SA818CE

Aircraft Serial and registration numbers required when ordering
All Prices FOB Hartzell Propeller Inc.
Prices do not include Ohio State Sales Tax
Installation and Dynamic Balancing available at an additional charge
BEECH BONANZA/DEBONAIR w. IO-470 ENGINE

* Note: A governor change may be required in some cases.
* Note: On earlier model aircraft with the IO-470-C engine an oil transfer tube or an oil plug may be required. The oil transfer tube is NO LONGER AVAILABLE.

Specifications:
84 inch diameter 2-bladed, aluminum hub propeller
2400 hour / 6 year TBO
58 pounds (prop & spinner)
diameter reduction allowable to 82.5 inches

Replaces:
Beech 273 / 278 - 82 inch dia. 2-bladed prop
69 - 73 pounds (prop & spinner)
Diameter reduction allowable to 81.5 inches
Some have no diameter reduction allowable
Flottorp F12A - 82-84 inch dia. 2-bladed prop
70 pounds (prop & spinner)
84 inch reduceable to 82 inch diameter
82 inch reduceable to 81.5, some no reduction allowed
McCauley C23 - 84 inch dia. 2-bladed prop
66 pounds (prop & spinner)
Oil fill requirement per AD 89-26-08
Diameter reduction allowable to 82 inches
1200 hours / 5 year TBO
McCauley C76 - 80 inch dia. 3-bladed prop
70 pounds (prop & spinner)
Diameter reduction allowable to 78.5 inches
1200 hours / 5 year TBO
Hartzell BHC-92ZF - 84 inch dia. 2-bladed steel hub prop
70 pounds (prop & spinner)
Diameter reduction allowable to 82 inches
2000 hour / 5 year TBO
Hartzell A3VF - 80 inch dia. 3-bladed steel hub prop
94 pounds (prop & spinner)
400 hour inspection per AD 68-13-2
Clamp inspection/replacement per AD 85-14-10
Blade retention system inspection AD 97-18-02
Diameter reduction allowable to 78.25 inches

Advantages:
Longer TBO
Lower cost
Current design (Bch, Fltp, Mc threaded, Hz steel obsolete)
Beech 33, 35 Bonanza and Debonair
With IO-470-C, -J, -K, -N engine

Basic Kit:
- Part Number: L3F00020STP
- 1 3-Bladed Propeller: PHC-L3YF-1RF/F8468A-6R
- 1 Polished Spinner: A-2295-1P
- 1 STC Document Set: SA818CE

Kit with Continental Oil Plug: (May be required for some IO-470-C, -N w/Beech Props)
- Part Number: L3F00020STP*1
- 1 3-Bladed Propeller: PHC-L3YF-1RF/F8468A-6R
- 1 Polished Spinner: A-2295-1P
- 1 Continental Oil Plug: 633189
- 1 STC Document Set: SA818CE

Aircraft Serial and registration numbers required when ordering
All Prices FOB Hartzell Propeller Inc.
Prices do not include Ohio State Sales Tax
Installation and Dynamic Balancing available at an additional charge
BEECH BONANZA/DEBONAIR w. IO-470 ENGINE

**Applicable Models:** 35-33, 35-A33, 35-B33, 35-C33, E33, F33, G33, J35, K35, M35, N35, P35

*Note: a governor change may be required in some cases.*

*Note: On earlier model aircraft with the IO-470-C engine an oil plug transfer tube or an oil plug may be required. The oil transfer tube is NO LONGER AVAILABLE.

**Specifications:**
- 80 inch diameter 3-bladed, aluminum hub propeller
- 2400 hour / 6 year TBO
- 80 pounds (prop & spinner)
- Diameter reduction allowable to 78 inches

**Replaces:**
- Beech 273 / 278 - 82 inch dia. 2-bladed prop
  - 69 - 73 pounds (prop & spinner)
  - 82 inch reduceable to 81.5 ins., some no reduction allowed
- Flottorp F12A - 82-84 inch dia. 2-bladed prop
  - 70 pounds (prop & spinner)
  - 84 inch reduceable to 82 inch diameter
  - 82 inch reduceable to 81.5 ins., some no reduction allowed
- McCauley C23 - 84 inch dia. 2-bladed prop
  - 66 pounds (prop & spinner)
  - Oil fill requirement per AD 89-26-08
  - Diameter reduction allowable to 82 inches
  - 1200 hours / 5 year TBO
- McCauley C76 - 80 inch dia. 3-bladed prop
  - 70 pounds (prop & spinner)
  - Diameter reduction allowable to 78.5 inches
  - 1200 hours / 5 year TBO
- Hartzell BHC-92ZF - 84 inch dia. 2-bladed steel hub prop
  - 70 pounds (prop & spinner)
  - Diameter reduction allowable to 82 inches
  - 2000 hour / 5 year TBO
- Hartzell A3VF - 80 inch dia. 3-bladed steel hub prop
  - 94 pounds (prop & spinner)
  - 400 hour inspection per AD 68-13-2
  - Clamp inspection/replacement per AD 85-14-10
  - Blade retention system inspection AD 97-18-02
  - Diameter reduction allowable to 78.25 inches

**Advantages:**
- vs. 2-bladed models
  - Lower noise
  - Better take-off and climb performance
  - Improved appearance
  - Less blade erosion
- vs. all models
  - Longer TBO
  - Current design (Bch, Flt, Mc threaded, Hz steel obsolete)
Beech 33, 35, 36 Bonanza and Debonair
With IO-520-B, -BA, -BB engine

Basic Kit:
Part Number: C2F00065STP
1 2-Bladed Propeller: BHC-C2YF-1BF/F8468AR
1 Polished Spinner: A-2295-P
1 STC Document Set: SA785CE
BEECH BONANZA w. IO-520 ENGINE


Specifications: 84 inch diameter 2-bladed, aluminum hub propeller
2400 hour / 6 year TBO
51 pounds (prop)
diameter reduction allowable to 82 inches

Replaces: McCauley C23 - 84 inch dia. 2-bladed prop
66 pounds (prop & spinner)
Oil fill requirement per AD 89-26-08
Diameter reduction allowable to 82 inches
1200 hours / 5 year TBO

McCauley C76 - 80 inch dia. 3-bladed prop
70 pounds (prop & spinner)
Diameter reduction allowable to 78.5 inches
1200 hours / 5 year TBO

Hartzell A3VF - 80 inch dia. 3-bladed steel hub prop
94 pounds (prop & spinner)
400 hour inspection per AD 68-13-2
Clamp inspection/replacement per AD 85-14-10
Blade retention system inspection AD 97-18-02
Diameter reduction allowable to 78.25 inches

Advantages: Longer TBO
Lower cost
Current design (Mc threaded, Hz steel obsolete)
Beech 33, 35, 36 Bonanza and Debonair
With IO-520-B, -BA, -BB engine

Basic Kit:
Part Number: C3F00120STP
1 3-Bladed Propeller: PHC-C3YF-1RF/F8468A-6R
1 Polished Spinner: A-2295-1P
1 STC Document Set: SA785CE

Aircraft Serial and registration numbers required when ordering
All Prices FOB Hartzell Propeller Inc.
Prices do not include Ohio State Sales Tax
Installation and Dynamic Balancing available at an additional charge

Telephone: (937) 778-5726 Option 2 / (800) 942-7767 Option 2
Internet: www.hartzellprop.com

Fax: (937) 778-4215
Email: topprop@hartzellprop.com
BEECH BONANZA/DEBONAIR w. IO-520 ENGINE


**Specifications:**
- 80 inch diameter 3-bladed, aluminum hub propeller
- 2400 hour / 6 year TBO
- 80 pounds (prop & spinner)
- Diameter reduction allowable to 78 inches

**Replaces:**
- McCauley C23 - 84 inch dia. 2-bladed prop
  - 66 pounds (prop & spinner)
  - Oil fill requirement per AD 89-26-08
  - Diameter reduction allowable to 82 inches
  - 1200 hours / 5 year TBO
- McCauley C76 - 80 inch dia. 3-bladed prop
  - 70 pounds (prop & spinner)
  - Diameter reduction allowable to 78.5 inches
  - 1200 hours / 5 year TBO
- McCauley C406, C409 - 80 inch dia. 3-bladed prop
  - 68 pounds (prop & spinner)
  - Diameter reduction allowable to 78.5 inches
  - 2000 hours / 5 years TBO
- Hartzell A3VF - 80 inch dia. 3-bladed steel hub prop
  - 94 pounds (prop & spinner)
  - 400 hour inspection per AD 68-13-2
  - Clamp inspection/replacement per AD 85-14-10
  - Blade retention system inspection AD 97-18-02
  - Diameter reduction allowable to 78.25 inches

**Advantages:**
- vs. McCauley 2-bladed model
  - Lower noise
  - Better take-off and climb performance
  - Improved appearance
  - Less blade erosion
  - Longer TBO
  - Current design (Mc threaded design obsolete)
- vs. McCauley 3-bladed models
  - Greater diameter reduction allowable
  - Longer TBO
  - Current design (Mc threaded obsolete)
  - Lower price than current design C406
- vs. Hartzell 3-bladed steel model
  - Lighter weight
  - Current design, less costly to maintain
  - Eliminates all repetitive inspections
Beech 33, 35, 36 Bonanza and Debonair
With IO-520-B, -BA, -BB & IO-550-B engine
(STC’ed on original engines only)

Basic Kit:
Part Number: C3F00007STP
1 3-Bladed Propeller: PHC-C3YF-1RF/F8068
1 Polished Spinner: A-2295-1P
1 STC Document Set: SA10135SC

Kit with Electric De-ice (28 volt system only):
Part Number: C3F02000STP
1 3-Bladed Propeller: PHC-C3YF-1RF/F8068K
1 Polished Spinner: A-2295-2P
1 Electric De-ice kit (prop): 102544-1
1 Electric De-ice kit (airframe): 102544-2 (replacing Hartzell)
1 Electric De-ice kit (airframe): 102544-3 (replacing McCauley)
1 STC Document Set: SA02556CH-D

Aircraft Serial and registration numbers required when ordering
All Prices FOB Hartzell Propeller Inc.
Prices do not include Ohio State Sales Tax
Installation and Dynamic Balancing available at an additional charge

Telephone: (937) 778-5726 Option 2 / (800) 942-7767 Option 2
Internet: www.hartzellprop.com
Fax: (937) 778-4215
Email: topprop@hartzellprop.com
BEECH BONANZA/DEBONAIR w. IO-520 or IO-550 ENGINE (standard engines only)


*De-ice note: 28-volt 3-blade to 3-blade electric system only; aircraft must previously have been equipped with de-ice*

**Specifications:**
- 82 inch diameter 3-bladed, aluminum hub, *scimitar* blade propeller
- 2400 hour / 6 year TBO
- 80 pounds (prop & spinner)
- Diameter reduction allowable to 78 inches

**Replaces:**
- McCauley C23 - 84 inch dia. 2-bladed prop
  - 66 pounds (prop & spinner)
  - Oil fill requirement per AD 89-26-08
  - Diameter reduction allowable to 82 inches
  - 1200 hours / 5 year TBO
- McCauley C76 - 80 inch dia. 3-bladed prop
  - 70 pounds (prop & spinner)
  - Diameter reduction allowable to 78.5 inches
  - 1200 hours / 5 year TBO
- McCauley C406 or C409 - 80 inch dia. 3-bladed prop
  - 68 pounds (prop & spinner)
  - Diameter reduction allowable to 78.5 inches
  - 2000 hours / 5 years TBO
- Hartzell A3VF - 80 inch dia. 3-bladed steel hub prop
  - 94 pounds (prop & spinner)
  - 400 hour inspection per AD 68-13-2
  - Clamp inspection/replacement per AD 85-14-10
  - Blade retention system inspection AD 97-18-02
  - Diameter reduction allowable to 78.25 inches

**Advantages:**

vs. McCauley 2-bladed model
- Lower noise
- Better take-off and climb performance
- Improved appearance
- Less blade erosion
- Longer TBO
- Current design (Mc threaded design obsolete)

vs. McCauley 3-bladed models
- Greater diameter reduction allowable
- Longer TBO
- Current design (Mc threaded obsolete)
- Lower price than current design C406

vs. Hartzell 3-bladed (steel hub)
- Lighter weight
- Current design, less costly to maintain
- Eliminates all repetitive inspections

vs. Hartzell 3-bladed (8468 blade)
- Improved take off and climb performance
- Improved asthetics
Beech A36 & G36 Bonanza
With IO-550-B engine

Basic Kit:
Part Number: C3F00117STP
1 3-Bladed Propeller: PHC-C3YF-1RF/F8468A-6R
1 Polished Spinner: A-2295-2P
1 STC Document Set: SA00719LA

Kit with Electric De-ice:
Part Number: C3F00135STP
1 3-Bladed Propeller: PHC-C3YF-1RF/F8468AK-6R
1 Polished Spinner: A-2295-2P
1 Electric De-ice kit (prop): 7931-67-941-1
1 Electric De-ice kit (airframe): 7931-67-941-2
1 STC Document Set: SA00719LA

Aircraft Serial and registration numbers required when ordering
All Prices FOB Hartzell Propeller Inc.
Prices do not include Ohio State Sales Tax
Installation and Dynamic Balancing available at an additional charge

Telephone: (937) 778-5726 Option 2 / (800) 942-7767 Option 2
Internet: www.hartzellprop.com
Fax: (937) 778-4215
Email: topprop@hartzellprop.com
BEECH BONANZA w. IO-550 ENGINE

Applicable Models: A36 (with IO-550 only)

Specifications:
- 80 inch diameter 3-bladed, aluminum hub propeller
- 2400 hour / 6 year TBO
- 80 pounds (prop & spinner)
- Diameter reduction allowable to 78 inches

Replaces:
- McCauley C409 - 80 inch dia. 3-bladed prop
- 72 pounds (prop & spinner)
- Diameter reduction allowable to 78.5 inches
- 2000 hours / 6 years TBO

Advantages:
- vs. McCauley 3-bladed models
- Upgrade aircraft to current production standard
- Greater diameter reduction allowable
- Longer TBO
- Lower price than current design C409
Beech B36 TC Bonanza
With TSIO-520-UB engine

Basic Kit:
- **Part Number:** C3F00128STP
  - 1 3-Bladed Propeller: PHC-C3YF-1RF/F8468A-8R
  - 1 Polished Spinner: A-2295-2P
  - 1 STC Document Set: SA00718LA

Kit with Electric De-ice: (serial numbers EA-242 and EA-273 to EA-584)
- **Part Number:** C3F00140STP
  - 1 3-Bladed Propeller: PHC-C3YF-1RF/F8468AK-8R
  - 1 Polished Spinner: A-2295-2P
  - 1 Electric De-ice kit (prop): 7931-67-941-1
  - 1 Electric De-ice kit (airframe): 7931-67-941-2
  - 1 STC Document Set: SA00718LA

Aircraft Serial and registration numbers required when ordering
All Prices FOB Hartzell Propeller Inc.
Prices do not include Ohio State Sales Tax
Installation and Dynamic Balancing available at an additional charge

Telephone: (937) 778-5726 Option 2 / (800) 942-7767 Option 2
Fax: (937) 778-4215
Email: topprop@hartzellprop.com

Internet: www.hartzellprop.com
BEECH BONANZA w. TSIO-520 ENGINE

Applicable Models: B36TC

Specifications: 78 inch diameter 3-bladed, aluminum hub propeller
2400 hour / 6 year TBO
80 pounds (prop & spinner)
diameter reduction allowable to 77 inches

Replaces: McCauley C406 - 78 inch dia. 3-bladed prop
72 pounds (prop & spinner)
Diameter reduction allowable to 77 inches
2000 hours / 6 years TBO

Advantages: vs. McCauley 3-bladed models
Upgrade aircraft to current production standard
Longer TBO
Lower price than current design C406
Beech 55 Barons
With IO-470-L engine

Basic Kit:
  Part Number: C2F00160STP
  2 2-Bladed Propellers: BHC-C2YF-2CHUF/FC8465-6
  2 Polished Spinners: C-2285-6P
  1 STC Document Set: SA795CE

Kit with Alcohol Anti-ice:
  Part Number: C2F00170STP
  2 2-Bladed Propellers: BHC-C2YF-2CHUF/FC8465B-6
  2 Polished Spinners: C-2285-6P
  2 Alcohol Anti-ice kit: A-2374-1
  1 STC Document Set: SA795CE
BEECH BARON w. IO-470 ENGINES


Specifications: 78 inch diameter 2-bladed, aluminum hub propellers
2400 hour / 6 year TBO
71 pounds each (prop & spinner combined)
diameter reduction allowable to 76.5 inches

Replaces:
McCauley C55 - 78 inch dia. 2-bladed propellers
64 pounds (prop & spinner combined)
Diameter reduction allowable to 76 inches
1200-1500 hour / 5 year TBO

McCauley C39 - 78 inch dia. 2-bladed propellers
76 pounds (prop & spinner combined)
Diameter reduction allowable to 76 inches
1200 hours / 5 year TBO

McCauley C89 - 78 inch dia. 2-bladed propellers
71 pounds (prop & spinner combined)
Diameter reduction allowable to 76 inches
1200 hour / 5 year

Advantages: Longer TBO
Current design (Mc threaded design obsolete)
Beech 55 Barons
With IO-470-L engine

Basic Kit:
Part Number: C3F00171STP
2 3-Bladed Propellers: PHC-C3YF-2UF/FC7663-2R
2 Polished Spinners: C-3567-1P
1 STC Document Set: SA795CE

Kit with Alcohol Anti-ice:
Part Number: C3F00181STP
2 3-Bladed Propellers: PHC-C3YF-2UF/FC7663B-2R
2 Polished Spinners: C-3567-1P
2 Alcohol Anti-ice kit: A-2386-1
1 STC Document Set: SA795CE

Aircraft Serial and registration numbers required when ordering
All Prices FOB Hartzell Propeller Inc.
Prices do not include Ohio State Sales Tax
Installation and Dynamic Balancing available at an additional charge

Telephone: (937) 778-5726 Option 2 / (800) 942-7767 Option 2
Internet: www.hartzellprop.com
Fax: (937) 778-4215
Email: topprop@hartzellprop.com
BEECH BARON w. IO-470 ENGINES


Specifications:
- 76 inch diameter 3-bladed, aluminum hub propellers
- 2400 hour / 6 year TBO
- 89 pounds each (prop & spinner combined)
- Diameter reduction allowable to 74.5 inches

Replaces:
- Hartzell BHC-C2YF-2CHUF/FC8465-6 78 in. dia. 2-bladed props
  - Diameter reduction allowable to 76.5 inches
  - 2400 hour / 6 year TBO
  - 71 pounds (prop & spinner combined)
- McCauley C55 - 78 inch dia. 2-bladed propellers
  - 64 pounds (prop & spinner combined)
  - Diameter reduction allowable to 76 inches
  - 1200-1500 hour / 5 year TBO
- McCauley C39 - 78 inch dia. 2-bladed propellers
  - 76 pounds (prop & spinner combined)
  - Diameter reduction allowable to 76 inches
  - 1200 hours / 5 year TBO
- McCauley C89 - 78 inch dia. 2-bladed propellers
  - 71 pounds (prop & spinner combined)
  - Diameter reduction allowable to 76 inches
  - 1200 hour / 5 year

Advantages:
- Lower noise
- Better take-off and climb performance
- Improved appearance
- Less blade erosion
- Longer TBO
- Current design (Mc threaded design obsolete)
Beech 55 Baron “Scimitar”  
With IO-470-L engine

Basic Kit:
- **Part Number:** C3F00160STP
- 2 3-Bladed Propellers: PHC-C3YF-2UF/FC7391D
- 2 Polished Spinners: C-3567-9P
- 1 STC Document Set: SA01463WI

Kit with Alcohol Anti-ice:
- **Part Number:** C3F00166STP
- 2 3-Bladed Propellers: PHC-C3YF-2UF/FC7391DB
- 2 Polished Spinners: C-3567-9P
- 2 Alcohol Anti-ice kit: 103313
- 1 STC Document Set: SA02561CH-D

---

Aircraft Serial and registration numbers required when ordering  
All Prices FOB Hartzell Propeller Inc.  
Prices do not include Ohio State Sales Tax  
Installation and Dynamic Balancing available at an additional charge

Telephone: (937) 778-5726 Option 2 / (800) 942-7767 Option 2  
Internet: www.hartzellprop.com

Fax: (937) 778-4215  
Email: topprop@hartzellprop.com
BEECH BARON w. IO-470-L ENGINES

**Applicable Models:**
95-55, 95-A55, 95-B55, 95-B55A, 95-B55B

**Specifications:**
75 inch diameter 3-bladed, “Scimitar” aluminum hub propellers
2400 hour / 6 year TBO
91.8 / 93.5 (including slinger) lb. each (prop & spinner combined)
diameter reduction allowable to 73 inches

**Replaces:**
Hartzell BH-C2YF-2CHUF/FC8465-6 78 in. dia. 2-bladed props
Diameter reduction allowable to 76.5 inches
2400 hour / 6 year TBO
71 pounds (prop & spinner combined)

Hartzell PHC-C3YF-2UF/FC7663(B,K)-2R 76 in. dia. 3-bladed props
Diameter reduction allowable to 74 inches
2400 hour / 6 year TBO
89 pounds (prop & spinner combined)

McCaeley C55 - 78 inch dia. 2-bladed propellers
64 pounds (prop & spinner combined)
Diameter reduction allowable to 76 inches
1200-1500 hour / 5 year TBO

McCaeley C39 - 78 inch dia. 2-bladed propellers
76 pounds (prop & spinner combined)
Diameter reduction allowable to 76 inches
1200 hours / 5 year TBO

McCaeley C89 - 78 inch dia. 2-bladed propellers
71 pounds (prop & spinner combined)
Diameter reduction allowable to 76 inches
1200 hour / 5 year

**Advantages:**
Lower noise (-1.1 to -5.8 dB(a) depending on orig. installation
Better take-off and climb performance
Improved appearance
Improved ground clearance
Longer TBO
Current design (Mc threaded design obsolete)
Beech 55 Baron
With IO-520-C, -CB engine

Basic Kit:
Part Number: C3F00170STP
2 3-Bladed Propellers: PHC-C3YF-2UF/FC7663-2R
2 Polished Spinners: C-3567-1P
1 STC Document Set: SA773CE

Kit with Alcohol Anti-ice:
Part Number: C3F00182STP
2 3-Bladed Propellers: PHC-C3YF-2UF/FC7663B-2R
2 Polished Spinners: C-3567-1P
2 Alcohol Anti-ice kit: A-2386-1
1 STC Document Set: SA773CE

______________________________________________________________________________

Aircraft Serial and registration numbers required when ordering
All Prices FOB Hartzell Propeller Inc.
Prices do not include Ohio State Sales Tax
Installation and Dynamic Balancing available at an additional charge

Telephone: (937) 778-5726 Option 2 / (800) 942-7767 Option 2
Internet: www.hartzellprop.com
Fax: (937) 778-4215
Email: topprop@hartzellprop.com
BEECH BARON w. IO-520 ENGINES


Specifications: 76 inch diameter 3-bladed, aluminum hub propellers
2400 hour / 6 year TBO
89 pounds each (prop & spinner combined)
diameter reduction allowable to 74 inches

Replaces: Hartzell BHC-C2YF-2CHUF/FC8475-6 78 in. dia. 2-bladed props
Diameter reduction allowable to 76 inches
2400 hour / 6 year TBO
71 pounds (prop & spinner combined)

McCauley C55 - 78 inch dia. 2-bladed propellers
64 pounds (prop & spinner combined)
Diameter reduction allowable to 76 inches
1200-1500 hour / 5 year TBO

McCauley C75 - 76 inch dia. 3-bladed propellers
82 pounds each (prop & spinner combined)
No diameter reduction allowable
1200 hours / 5 year TBO

Advantages: vs. 2-bladed props
Lower noise
Better take-off and climb performance
Improved appearance
Less blade erosion
Longer TBO
Current design (Mc threaded design obsolete)

vs. 3-bladed
Longer TBO
Diameter reduction allowable in event of tip damage
McCauley threaded designs obsolete

Note: Please note that in most cases an after market air conditioner does not change the aircraft cowling, therefore the "w/o air conditioning" spinner assembly (C-3567-1P) would be needed when ordering.
Beech 55 Baron “Scimitar”  
With IO-520-C, -CB engine

Basic Kit:
- Part Number: C3F00161STP
- 2 3-Bladed Propellers: PHC-C3YF-2UF/FC7391D
- 2 Polished Spinners: C-3567-9P
- 1 STC Document Set: SA02561CH-D

Kit with Alcohol Anti-ice:
- Part Number: C3F00167STP
- 2 3-Bladed Propellers: PHC-C3YF-2UF/FC7391DB
- 2 Polished Spinners: C-3567-9P
- 2 Alcohol Anti-ice kit: 103313
- 1 STC Document Set: SA2561CH-D

Kit for E55(A) with Factory Air Conditioning ONLY:
- Part Number: J3F00116STP*2
- 2 3-Bladed Propellers: PHC-J3YF-2UF/FC7391D
- 2 Polished Spinners: C-3567-8P
- 1 STC Document Set: SA2561CH-D

______________________________
Aircraft Serial and registration numbers required when ordering
All Prices FOB Hartzell Propeller Inc.
Prices do not include Ohio State Sales Tax
Installation and Dynamic Balancing available at an additional charge

Telephone: (937) 778-5726 Option 2 / (800) 942-7767 Option 2
Internet: www.hartzellprop.com
Fax: (937) 778-4215
Email: topprop@hartzellprop.com
BEECH BARON w. IO-520 ENGINES

**Applicable Models:** 95-C55, 95-C55A, D55, D55A, E55, E55A,

**Specifications:**
- 75 inch diameter 3-bladed, “Scimitar” aluminum hub propellers
- 2400 hour / 6 year TBO
- 91.8 / 93.5 (with slinger) lb. each (prop & spinner combined)
- 93.8 lb. each – Extended hub (prop & spinner combined)
- Diameter reduction allowable to 73 inches

**Replaces:**
- Hartzell BHC-C2YF-2CHUF/FC8475-6 78 in. dia. 2-bladed props
- Diameter reduction allowable to 76 inches
- 2400 hour / 6 year TBO
- 71 pounds (prop & spinner combined)

- Hartzell PHC-C3YF-2UF/FC7663-2R 76 in. dia. 3-bladed props
- Diameter reduction allowable to 74 inches
- 2400 hour / 6 year TBO
- 89 pounds (prop & spinner combined)

- McCauley C55 - 78 inch dia. 2-bladed propellers
- 64 pounds (prop & spinner combined)
- Diameter reduction allowable to 76 inches
- 1200-1500 hour / 5 year TBO

- McCauley C75 - 76 inch dia. 3-bladed propellers
- 82 pounds each (prop & spinner combined)
- No diameter reduction allowable
- 1200 hours / 5 year TBO

**Advantages:**
- vs. 2-bladed props
  - Lower noise (-1.1 to -5.8 dB(a) depending on orig. installation
  - Better take-off and climb performance
  - Improved appearance
  - Less blade erosion
  - Longer TBO
  - Current design (Mc threaded design obsolete)
- vs. 3-bladed
  - Longer TBO
  - Diameter reduction allowable in event of tip damage
  - McCauley threaded designs obsolete

**Note:**
Please note that in most cases an after market air conditioner does not change the aircraft cowling, therefore the “w/o air conditioning” spinner assembly (C-3567-9P) would be needed when ordering.

On models E55 and E55A, factory air conditioned models with long nacelles requiring the longer J3YF hub are not compatible with factory installed alcohol anti-ice systems. The propeller anti-ice system must be labeled “inop” at propeller conversion installation. Hartzell does not offer a compatible alcohol anti-ice system for these aircraft at this time.
## Beech E55 & E55A Barons (w/ Factory A/C only) & All 58 & 58A

**Basic Kit (w/o Factory Air Conditioning):**
- **Part Number:** J3F00060STP
- **2 3-Bladed Propellers:** PHC-J3YF-2UF/FC7663-2R
- **2 Polished Spinners:** C-3567-1P
- **1 STC Document Set:** SA773CE

**Basic Kit (w/ Factory Air Conditioning):**
- **Part Number:** J3F00060STP*1
- **2 3-Bladed Propellers:** PHC-J3YF-2UF/FC7663-2R
- **2 Polished Spinners:** C-3567-4P
- **1 STC Document Set:** SA773CE

**Kit with Alcohol Anti-ice (w/o Factory Air Conditioning):**
- **Part Number:** J3F00062STP
- **2 3-Bladed Propellers:** PHC-J3YF-2UF/FC7663B-2R
- **2 Polished Spinners:** C-3567-1P
- **2 Alcohol Anti-ice kit:** A-2386
- **1 STC Document Set:** SA773CE

**Kit with Alcohol Anti-ice (w/ Factory Air Conditioning):**
- **Part Number:** J3F00062STP*1
- **2 3-Bladed Propellers:** PHC-J3YF-2UF/FC7663B-2R
- **2 Polished Spinners:** C-3567-4P
- **1 Alcohol Anti-ice kit:** A-2386 & A-2387
- **1 STC Document Set:** SA773CE

---

Aircraft Serial and registration numbers required when ordering

All Prices FOB Hartzell Propeller Inc.

Prices do not include Ohio State Sales Tax

Installation and Dynamic Balancing available at an additional charge

Telephone: (937) 778-5726 Option 2 / (800) 942-7767 Option 2

Internet: [www.hartzellprop.com](http://www.hartzellprop.com)

Fax: (937) 778-4215

Email: topprop@hartzellprop.com
BEECH BARON w. IO-520 ENGINES

Applicable Models: E55 & E55A (with factory air conditioning), & all 58 & 58A.

Specifications:
- 76 inch diameter 3-bladed, extended, aluminum hub propellers
- 2400 hour / 6 year TBO
- 91 pounds each (prop & spinner combined)
- Diameter reduction allowable to 74 inches

Replaces:
- Hartzell BHC-J2YF-2CHUF/FC8475-6 78 in. dia. 2-bladed props
  - Diameter reduction allowable to 76 inches
  - 2400 hour / 6 year TBO
  - 78 pounds (prop & spinner combined)

- McCauley C30 - 78 inch dia. extended hub 2-bladed propellers
  - 69 pounds (prop & spinner combined)
  - Diameter reduction allowable to 76 inches
  - 1200 hour / 5 year TBO

- McCauley C35 - 78 inch dia. extended hub 3-bladed propellers
  - 85 pounds each (prop & spinner combined)
  - No diameter reduction allowable
  - 1200 hours / 5 year TBO

Advantages:
- vs. 2-bladed props
  - Lower noise
  - Better take-off and climb performance
  - Better looks
  - Less blade erosion
  - Longer TBO
  - Current design (Mc threaded design obsolete)

- vs. 3-bladed
  - Longer TBO
  - Diameter reduction allowable in event of tip damage
  - McCauley threaded designs obsolete

Note: Please note that in most cases an after market air conditioner does not change the aircraft cowling, therefore the “w/o air conditioning” spinner assembly (C-3567-1P) would be needed when ordering.
Beech 58 Baron
With IO-550-C engine

Basic Kit (w/o Factory Air Conditioning):
  Part Number: J3F00058STP
  2 3-Bladed Propellers: PHC-J3YF-2UF/FC7663-2R
  2 Polished Spinners: C-3567-1P
  1 STC Document Set: SA5533NM

Basic Kit (w/ Factory Air Conditioning):
  Part Number: J3F00058STP*1
  2 3-Bladed Propellers: PHC-J3YF-2UF/FC7663-2R
  2 Polished Spinners: C-3567-4P
  1 STC Document Set: SA5533NM

Kit with Electric De-ice (w/o Factory Air Conditioning):
  Part Number: J3F00088STP
  2 3-Bladed Propellers: PHC-J3YF-2UF/FC7663K-2R
  2 Polished Spinners: C-3567-1P
  1 Electric De-ice kit (airframe): 7931-67-940-2
  2 Electric De-ice kit (prop): 7931-67-940-1
  1 STC Document Set: SA5533NM

Kit with Electric De-ice (w/ Factory Air Conditioning):
  Part Number: J3F00088STP*1
  2 3-Bladed Propellers: PHC-J3YF-2UF/FC7663K-2R
  2 Polished Spinners: C-3567-4P
  1 Electric De-ice kit (airframe): 7931-67-940-3
  2 Electric De-ice kit (prop): 7931-67-940-1
  1 STC Document Set: SA5533NM

Aircraft Serial and registration numbers required when ordering
All Prices FOB Hartzell Propeller Inc.
Prices do not include Ohio State Sales Tax
Installation and Dynamic Balancing available at an additional charge

Telephone: (937) 778-5726 Option 2 / (800) 942-7767 Option 2
Internet: www.hartzellprop.com
Fax: (937) 778-4215
Email_topprop@hartzellprop.com
BEECH BARON w. IO-550 ENGINES

**Applicable Models:** 58, 58A

**Specifications:**
- 76 inch diameter 3-bladed, aluminum hub propellers
- 2400 hour / 6 year TBO
- 91 pounds each (prop & spinner combined)
- Diameter reduction allowable to 74 inches

**Replaces:**
- McCauley C512 - 77 inch diameter extended 3-bladed props
- Diameter reduction allowable to 76.5 inches
- 2000 hour / 6 year
- 86 pounds each (prop & spinner combined)

**Advantages:**
- Lower noise
- More ground clearance
- Greater diameter reduction allowable in event of tip damage
- Upgrade aircraft to current production standard
- Common with IO-520 Baron propellers

**Note:**
Please note that in most cases an after market air conditioner does not change the aircraft cowling, therefore the “w/o air conditioning” spinner assembly (C-3567-1P) would be needed when ordering.
Beech 58 Baron “Scimitar”
With IO-520-C, -CB, and IO-550-C engine

Basic Kit (w/o Factory Air Conditioning):
Part Number: J3F00116STP
2 3-Bladed Propellers: PHC-J3YF-2UF/FC7391D
2 Polished Spinners: C-3567-1P
1 STC Document Set: SA10551SC

Basic Kit (w/ Factory Air Conditioning):
Part Number: J3F00116STP*1
2 3-Bladed Propellers: PHC-J3YF-2UF/FC7391D
2 Polished Spinners: C-3567-4P
1 STC Document Set: SA10551SC

Kit with Alcohol Anti-ice (w/o Factory Air Conditioning):
Part Number: J3F00130STP
2 3-Bladed Propellers: PHC-J3YF-2UF/FC7391DB
2 Polished Spinners: C-3567-7P
2 Alcohol Anti-ice kit (prop): 102679-1
1 STC Document Set: SA02561CH-D

Kit with Alcohol Anti-ice (w/ Factory Air Conditioning):
Part Number: J3F00130STP*1
2 3-Bladed Propellers: PHC-J3YF-2UF/FC7391DB
2 Polished Spinners: C-3567-8P
1 Alcohol Anti-ice kit (prop): 102679-1 & 102679-2
1 STC Document Set: SA02561CH-D

__________________________________________________________________________________________________
Aircraft Serial and registration numbers required when ordering
All Prices FOB Hartzell Propeller Inc.
Prices do not include Ohio State Sales Tax
Installation and Dynamic Balancing available at an additional charge

Telephone: (937) 778-5726 Option 2 / (800) 942-7767 Option 2
Internet: www.hartzellprop.com
Fax: (937) 778-4215
Email: topprop@hartzellprop.com
Kit with Electric De-ice (w/o Factory Air Conditioning): (See Note 1)
Part Number: J3F00135STP
2 3-Bladed Propellers: PHC-J3YF-2UF/FC7391DK
2 Polished Spinners: C-3567-1P
1 Electric De-ice kit (airframe): 7931-5E2793-4
2 Electric De-ice kit (prop): 7931-5E2793-1
1 STC Document Set: SA10551SC

Kit with Electric De-ice (w/ Factory Air Conditioning): (See Note 1)
Part Number: J3F00135STP*1
2 3-Bladed Propellers: PHC-J3YF-2UF/FC7391DK
2 Polished Spinners: C-3567-4P
1 Electric De-ice kit (airframe): 7931-5E2793-5
2 Electric De-ice kit (prop): 7931-5E2793-1
1 STC Document Set: SA10551SC

Kit with Electric De-ice (w/ Factory Air Conditioning): (See Note 1)
Part Number: J3F00135STP*2
2 3-Bladed Propellers: PHC-J3YF-2UF/FC7391DK
2 Polished Spinners: C-3567-1P
2 Electric De-ice kit (prop): 7931-5E2793-1
1 STC Document Set: SA10551SC

Kit with Electric De-ice (w/ Factory Air Conditioning): (See Note 1)
Part Number: J3F00135STP*3
2 3-Bladed Propellers: PHC-J3YF-2UF/FC7391DK
2 Polished Spinners: C-3567-4P
2 Electric De-ice kit (prop): 7931-5E2793-1
1 STC Document Set: SA10551SC

NOTE 1: The J3F00135STP*2 and J3F00135STP*3 kits do not come with airframe de-ice kits. They are specifically for use on aircraft s/n TH-1231 and later that were factory equipped with Hartzell PHC-J3YF-2UF/FC7663K-2R propellers and an electro-thermal propeller de-ice system. When replacing McCauley C512 propellers and a McCauley electro-thermal propeller de-ice system, order a J3F00135STP or J3F00135STP*1 (w/ air conditioning) kit.

NOTE 2: This kit is not compatible with electro-thermal de-ice kits on s/n TH-1230 and before. S/N TH-1 through TH-1230 are eligible for the basic kit (no de-ice), with early de-ice kits disabled, and when equipped with alcohol anti-ice. Electro-thermal de-ice kit is not compatible with systems on aircraft previously equipped with 2 blade propellers.
BEECH BARON

**Applicable Models:** 58, 58A, G58

**Specifications:**
- 75 inch diameter 3-bladed “SCIMITAR”, aluminum hub propellers
- 2400 hour / 6 year TBO
- 93.8 – 96.0 pounds each (prop & spinner combined)
- Diameter reduction allowable to 73 inches

**Replaces:**
- McCauley C512 - 77 inch diameter extended 3-bladed props
  - Diameter reduction allowable to 76.5 inches
  - 2000 hour / 6 year
  - 86 pounds each (prop & spinner combined)

- McCauley C30 - 78 inch dia. extended hub 2-bladed propellers
  - Diameter reduction allowable to 76 inches
  - 1200 hour / 5 year
  - 69 pounds (prop & spinner combined)

- McCauley C35 - 78 inch dia. extended hub 3-bladed propellers
  - No diameter reduction allowable
  - 1200 hours / 5 year TBO
  - 85 pounds each (prop & spinner combined)

- Hartzell BHC-J2YF-2CHUF/FC8475-6 78 in. dia. 2-bladed props
  - Diameter reduction allowable to 76 inches
  - 2400 hour / 6 year TBO
  - 78 pounds (prop & spinner combined)

- Hartzell PHC-J3YF-2UF/FC7663-2R 76 in. dia. 3-bladed propellers
  - Diameter reduction allowable to 74 inches
  - 2400 hour / 6 year TBO
  - 91 pounds each (prop & spinner combined)

**Advantages:**
- Reduced noise
- Better take-off and climb performance
- Improved cruise performance efficiency
- More ground clearance - Less blade erosion / FOD
- Longest TBO
- Current design (Mc threaded design obsolete)
- Attractive design

**Note:**
Please note that in most cases an after market air conditioner does not change the aircraft cowling, therefore the “w/o air conditioning” spinner assembly (C-3567-1P or -7P) would be needed when ordering.

Electric De-ice Kit approved on s/n TH-1231 and later only. Aircraft with s/n TH-1230 and before must disengage any existing electric de-ice system.

Aircraft eligible for electric de-ice system (s/n TH-1231 and later) require **airframe** de-ice kit when replacing McCauley propellers only.

MCT 4/11
All Beech 58P & 58TC with TSIO-520-WB engines

Basic Kit:

- **Part Number:** J3F00084STP (3 wire de-ice)
- **2 3-Bladed Propellers:** PHC-J3YF-2UF/FC7663DRB
- **2 Polished Spinners:** C-3567-1P
- **1 STC Document Set:** SA1207NW

Basic Kit: 58P s/n TJ-349 through TJ-435 and TJ-437 through TJ-443, 58TC TK139 through TK-146, and TK-148 through TK-150

- **Part Number:** J3F00085STP (Two wire de-ice)
- **2 3-Bladed Propellers:** PHC-J3YF-2UF/FC7663DRB
- **2 Polished Spinners:** C-3567-1P
- **1 STC Document Set:** SA1207NW

Aircraft Serial and registration numbers required when ordering

All Prices FOB Hartzell Propeller Inc.
Prices do not include Ohio State Sales Tax
Installation and Dynamic Balancing available at an additional charge

Telephone: (937) 778-5726 Option 2 / (800) 942-7767 Option 2
Internet: www.hartzellprop.com
Fax: (937) 778-4215
Email: topprop@hartzellprop.com
BEECH BARON w. TSIO-520-WB ENGINES

Applicable Models: 58P, 58TC

Specifications: 78 inch diameter 3-bladed, extended, aluminum hub propellers
2400 hour / 6 year TBO
87 pounds each (prop & spinner combined)
diameter reduction allowable to 77.5 inches

Replaces: Hartzell PHC-J3YF-2UF/FC8468-6R 80 in. dia. 3-bladed props
Diameter reduction allowable to 78 inches
2400 hour / 6 year TBO
90 pounds (prop & spinner combined)
McCauley C511 - 78 inch dia. extended hub 2-bladed propellers
80.8 pounds (prop & spinner combined)
Diameter reduction allowable to 77.5 inches
2000 hour / 6 year TBO

*Note: STC SA1207NW required for 58TC s/n TK-1 through TK-84, and 58P s/n TJ-3 through TJ-168. Propeller installation on subsequent serial numbers are certified per TCDS A23CE.

Advantages:
Better performance
Longer TBO
Lighter Weight
Diameter reduction allowable in event of tip damage
Top Prop Warranty to first overhaul.
Beech 95, B95, B95A, D95A, E95 Travel Air
With O-360, IO-360 (180HP) engine

Basic Kit:
Part Number: C2K00487STP
2 2-Bladed Propellers: HC-C2YK-2CUF/FC7666C-4
2 Polished Spinners: 836-29P
1 STC Document Set: SA00722CH

Kit with Alcohol Anti-ice:
Part Number: C2K00488STP
2 2-Bladed Propellers: HC-C2YK-2CUF/FC7666CB-4
2 Polished Spinners: 836-29P
1 Alcohol Anti-ice kit: D6774/C-2131-6
1 STC Document Set: SA00722CH

Aircraft Serial and registration numbers required when ordering
All Prices FOB Hartzell Propeller Inc.
Prices do not include Ohio State Sales Tax
Installation and Dynamic Balancing available at an additional charge

Telephone: (937) 778-5726 Option 2 / (800) 942-7767 Option 2
Internet: www.hartzellprop.com
Fax: (937) 778-4215
Email_topprop@hartzellprop.com
BEECH 95 SERIES TRAVEL AIR

Applicable Models: 95, B95, B95A, D95A, E95

Specifications:
- 72 inch diameter 2-bladed, aluminum hub propeller
- 2400 hour / 6 year TBO
- 69.4 pounds (prop & spinner)
- No diameter cut-off permitted
- Placard: “Avoid continuous operation between 2000 and 2350 RPM.”

Replaces:
- Hartzell HC-92ZK, HC-92WK - 72 inch 2-bladed steel hub prop
- 75 pounds (prop & spinner)
- Diameter reduction allowable to 70 inches
- 500 hour inspection per AD95-11-08
- 2000 hour / 5 year TBO

Advantages:
- Lighter weight (11 pounds per aircraft)
- Current design / New Production
- Eliminates AD95-11-08
Cessna 170A, 170B (Landplane and Seaplane)  
- C1A, -C1C, -C1E, -C1F, -C1G (180HP) engine

Basic Kit:  
Part Number: C2R00074STP  
1 2-Bladed Propeller: HC-C2YR-1BF/F8477-4  
1 Polished Spinner: C-3568-P  
1 Damper Assembly: C-1576  
1 STC Document Set: SA01111CH

Aircraft Serial and registration numbers required when ordering  
All Prices FOB Hartzell Propeller Inc.  
Prices do not include Ohio State Sales Tax  
Installation and Dynamic Balancing available at an additional charge

Telephone: (937) 778-5726 Option 2 / (800) 942-7767 Option 2  
Internet: www.hartzellprop.com

Fax: (937) 778-4215  
Email_topprop@hartzellprop.com
CESSNA 170A, 170B

Specifications:
- 80 inch diameter 2-bladed aluminum hub propeller
- 2400 hour / 6 year TBO
- 67 pounds (propeller, spinner, and damper)
- Diameter reduction allowable to 78 inches
- Approved for land planes and seaplanes

Advantages:
- Better take-off and climb performance
- Longer TBO
- Eliminates tachometer restrictions
Cessna 172, 172A-I, 172K-N, 172P, 175, 175A-C
(Landplane and Seaplane)
-C1A, -C1C, -C1E, -C1F, -C1G (180HP) engine

Basic Kit:
Part Number: C2R00074STP
1 2-Bladed Propeller: HC-C2YR-1BF/F8477-4
1 Polished Spinner: C-3568-P
1 Damper Assembly: C-1576
1 STC Document Set: SA02186AK

Aircraft Serial and registration numbers required when ordering
All Prices FOB Hartzell Propeller Inc.
Prices do not include Ohio State Sales Tax
Installation and Dynamic Balancing available at an additional charge
CESSNA 172, 172A-I, 172K-N, 172P, 175, 175A-C

**Specifications:**
- 80 inch diameter 2-bladed aluminum hub propeller
- 2400 hour / 6 year TBO
- 67 pounds (propeller, spinner, and damper)
- Diameter reduction allowable to 78 inches
- Approved for land planes and seaplanes
- Landplanes must have Cessna heavy duty nose strut fork and 6.00 x 6 nose tire
- Not approved for installation on engines with crankshaft dampers, O-360-( ) ( )6

**Advantages:**
- Better take-off and climb performance
- Longer TBO
- Eliminates tachometer restrictions
Cessna R172K Hawk XP
With IO-360-K, -KB engine
Or IO-360-KC, -KBC engine (Isham STC)

Basic Kit:
  Part Number: C3F00067STP
  1 3-Bladed Propeller: HC-C3YF-1RF/F7392
  1 Polished Spinner: A-2295-1P
  1 STC Document Set: SA2078CH

Basic Kit: (Isham STC)
  Part Number: C3F00069STP
  1 3-Bladed Propeller: HC-C3YF-1RF/F7392
  1 Polished Spinner: A-2295-1P
  1 STC Document Set: SA2078CH

Aircraft Serial and registration numbers required when ordering
All Prices FOB Hartzell Propeller Inc.
Prices do not include Ohio State Sales Tax
Installation and Dynamic Balancing available at an additional charge
CESSNA

**Applicable Models:**  R172K “Hawk XP” (S/N R1722000 and on, 1977 through 1981 models)

**Specifications:**  75-inch diameter 3-bladed aluminum hub propeller  
2400 hour / 6 year TBO  
74.4 pounds (propeller and spinner)  
Diameter reduction allowable to 72 inches

**Replaces:**  McCauley 2A34C203/90DCA-14, 2A34C203/90DCA-10  
2000 hour / 6 year TBO  
51.9 pounds (propeller and spinner)

**Advantages:**  
- Takeoff acceleration to 55 KIAS is improved.  
- Full-power, best-rate climb performance below 10,000 is improved.  
- Cruise speeds at 60-80% power settings increase 1-3 Knots.  
- This STC is compatible with the Isham STCs (SA1437CE & SE1436CE) that increase the engine rating up to 210 Hp.  
- Longer TBO than McCauley 2-blade  
- Improved appearance, Scimitar-style blade planform  
- Diameter reduction allowable in event of tip damage  
- Compatible with Wipline 2350 Amphibious or Seaplane floats.
Cessna 172RG Cutlass RG
With O-360-F1A6 engine

Basic Kit:

Part Number: G2R00150STP
1 2-Bladed Propeller: HC-G2YR-1BFP/F7894-1.5
1 Carbon Fiber Composite Spinner: 105127(F1), Matterhorn White, or 105127F2(Metallic Silver), or 105127
1 STC Document Set: SA03373CH

Aircraft Serial and registration numbers required when ordering
All Prices FOB Hartzell Propeller Inc.
Prices do not include Ohio State Sales Tax
Installation and Dynamic Balancing available at an additional charge

Telephone: (937) 778-5726 Option 2 / (800) 942-7767 Option 2
Internet: www.hartzellprop.com
Fax: (937) 778-4215
Email: topprop@hartzellprop.com
CESSNA

Applicable Models: 172RG (all)

Specifications:
- 76.5-inch diameter 2-bladed aluminum hub propeller
- Carbon fiber, all composite spinner assembly
- 2400 hour / 6 year TBO
- 59.4 pounds (propeller and spinner)
- Diameter reduction allowable to 75.5 inches

Placard: “Continuous Operation is prohibited between 2000 – 2300 RPM with less than 8” manifold pressure.”

Replaces:
- McCauley B2D34C220/80VHA-3.5, 76.5” diameter 2-bladed prop
- 2000 hour / 6 year TBO
- 59.2 pounds (propeller and spinner)

Placard: “With less than 10” manifold pressure, avoid continuous between 1750 – 2050 RPM.”

Advantages:
- Takeoff acceleration to 55 KIAS is improved.
- Cruise speeds and Climb performance equal to or better than original.
- Longer TBO than McCauley 2-blade
- Improved appearance, Scimitar-style blade
- Diameter reduction allowable in event of tip damage
- Globally acceptable 84.9 dB(a) measured noise number (FAR 36, Appendix G, & ICAO Annex 16, Chapter 10).
Cessna 177B Cardinal
With O-360-A1F6(D) 180HP engine

Basic Kit: (180 HP engine)
Part Number: C2R00758STP
1 2-Bladed Propeller: HC-C2YR-1BFP/F7894-1.5
1 Composite Spinner: 106848, 106848F1 (White), 106848F2 (Silver Metallic)
1 Spinner Mounting Kit: A-2476-63
1 STC Document Set: SA04200CH

Aircraft Serial and registration numbers required when ordering
All Prices FOB Hartzell Propeller Inc.
Prices do not include Ohio State Sales Tax
Installation and Dynamic Balancing available at an additional charge
CESSNA CARDINAL

**Applicable Models:** 177B (180 hp)

**Specifications:**
- 76.5 inch diameter 2-bladed aluminum hub propeller
- Composite Spinner
- 2400 hour / 6 year TBO
- 59 pounds (propeller and spinner)
- Diameter reduction allowable to 75.5 inches
- Placard - “Continuous operation is prohibited between 2000 – 2300 RPM with less than 8 inches manifold pressure”.

**Replaces:**
- McCauley C202 - 76 inch diameter 2-bladed prop
  - Diameter reduction allowable to 77 ins.
  - 2000 hour / 6 year TBO
- McCauley C206 - 78 inch diameter 2-bladed prop
  - Diameter reduction 74 inches
  - 2000 hour / 6 year TBO
- McCauley C208 - 76 inch diameter 2-bladed prop
  - Diameter reduction 75 inches
  - 2000 hour / 6 year TBO

**Advantages:**
- Longer TBO – Longer Warranty
- Acceleration enhanced and T.O. distance reduced aprox. 5% (30-40’)
- Climb performance delta improves with altitude.
- Cruise improves 2 – 4 knots depending on power setting and altitude.
- Improved appearance – Scimitar blade
- Diameter reduction allowable in the event of tip damage
- Globally acceptable 84.8 dB(a) measured noise number (FAR 36, Appendix G, and ICAO Annex 16, Chapter 10)
- Compatible with Powerflow Systems STC SA02115AT (tuned exhaust system)
Cessna 177B, 177RG, F177RG (Reims) Cardinal
With O-360-A1F6(D) 180HP, IO-360-A1B6(D) 200HP engine

Basic Kit: (180HP engine)
Part Number: C3R00021STP
1 3-Bladed Propeller: HC-C3YR-1RF/F7282
1 Polished Spinner: C-4582-P
1 Spinner Mounting Kit: A-2476-7
1 STC Document Set: SA1556GL

Basic Kit: (200HP engine)
Part Number: C3R00022STP
1 3-Bladed Propeller: HC-C3YR-1RF/F7282
1 Polished Spinner: C-4582-P
1 Spinner Mounting Kit: A-2476-7
1 STC Document Set: SA1556GL

Aircraft Serial and registration numbers required when ordering
All Prices FOB Hartzell Propeller Inc.
Prices do not include Ohio State Sales Tax
Installation and Dynamic Balancing available at an additional charge
CESSNA CARDINAL

Applicable Models:
- 177B (180 hp)
- 177RG, F177RG Reims (200 hp)

Specifications:
- 74 inch diameter 3-bladed aluminum hub propeller
- 2400 hour / 6 year TBO
- 73 pounds (propeller and spinner)
- Diameter reduction allowable to 73 inches
- Placard -“Avoid continuous operations below 15” between 1950 and 2350 RPM.”

Replaces:
- McCauley C202 - 76 inch diameter 2-bladed prop (177B)
  Diameter reduction allowable to 75 inches
  2000 hour / 6 year TBO
- McCauley C206 - 78 inch diameter 2-bladed prop (177B, 177RG)
  Diameter reduction allowable to 74 ins.(177B), 76.5 ins.(177RG)
  2000 hour / 6 year TBO
- McCauley C207 - 78 inch diameter 2-bladed prop (177RG)
  Diameter reduction 76.5 inches
  2000 hour / 6 year TBO
- McCauley C208 or C211 - 76 inch diameter 2-bladed prop (177B)
  Diameter reduction allowable to 75 inches
  2000 hour / 6 year TBO

Advantages:
- Better take-off and climb performance
- Longer TBO
- Lower noise
- Improved appearance
- Less blade tip erosion
- Greater repair allowance
Cessna 177RG, F177RG (Reims) Cardinal
With IO-360-A1B6(D) 200HP engine

Basic Kit: (200HP engine)
Part Number: C2R00774STP
1 2-Bladed Propeller: HC-C2YR-1BFP/F7894
1 Composite Spinner: 106848F1 (White), 106848F2 Silver Metallic
1 Spinner Mounting Kit: A-2476-63
1 STC Document Set: SA04200CH

Aircraft Serial and registration numbers required when ordering
All Prices FOB Hartzell Propeller Inc.
Prices do not include Ohio State Sales Tax
Installation and Dynamic Balancing available at an additional charge

Telephone: (937) 778-5726 Option 2 / (800) 942-7767 Option 2
Internet: www.hartzellprop.com
Fax: (937) 778-4215
Email: topprop@hartzellprop.com
CESSNA CARDINAL

*Applicable Models:* 177RG, F177RG Reims (200 hp)

*Specifications:* 78 inch diameter 2-bladed aluminum hub propeller
2400 hour / 6 year TBO
59 pounds (propeller and spinner)
Diameter reduction allowable to 77 inches
Placard -“Continuous operation is prohibited between 2000 – 2300
RPM with less than 10 inches manifold pressure”.

*Replaces:* McCauley C206 - 78 inch diameter 2-bladed prop
Diameter reduction allowable to 76.5 ins.(177RG)
2000 hour / 6 year TBO

McCauley C207 - 78 inch diameter 2-bladed prop
Diameter reduction 76.5 inches
2000 hour / 6 year TBO

*Advantages:* Longer TBO – Longer Warranty
Climb & Cruise performance equal to or greater than original
Improved appearance – Scimitar blade
Diameter reduction allowable in the event of tip damage
Globally acceptable 86.1 dB(a) measured noise number (FAR 36,
Appendix G, and ICAO Annex 16, Chapter 10)
Compatible with Powerflow Systems STC SA03623AT (tuned exhaust system)
Cessna 180 (Land, Sea or Amphibian)
O-470-A,-J,-K,-L,-R,-S,-U engine

Basic Kit: (180-180J w/ O-470-A,-J,-K,-L,-R,-S)
Part Number: C3F00001STP
1 3-Bladed Propeller: PHC-C3YF-1RF/F8468A-6R
1 Polished Spinner: C-3535-1P
1 STC Document Set: SA00852AT

Basic Kit: (180K w/ O-470-U)
Part Number: C3F00890STP
1 3-Bladed Propeller: PHC-C3YF-1RF/F8468A-6R
1 Polished Spinner: C-3535-1P
1 STC Document Set: SA00852AT

Aircraft Serial and registration numbers required when ordering
All Prices FOB Hartzell Propeller Inc.
Prices do not include Ohio State Sales Tax
Installation and Dynamic Balancing available at an additional charge

Telephone: (937) 778-5726 Option 2 / (800) 942-7767 Option 2
Internet: www.hartzellprop.com
Fax: (937) 778-4215
Email: topprop@hartzellprop.com
CESSNA 180

**Applicable Models:** 180 series (land, sea or amphibian)

*Note: a governor change may be required in some cases*

**Specifications:**
- 80 inch diameter 3-bladed, aluminum hub propeller
- 2400 hour / 6 year TBO
- 75 pounds (propeller and spinner)
- Diameter reduction allowable to 77 inches

**Replaces:**
- Hartzell 82XF- 84 or 88 inch dia., 2-bladed steel hub prop
  - Diameter reduction allowable to 82.5 or 86 inches
  - 1000 hours / 5 year TBO
- McCauley 2A36C - 82 or 88 inch diameter 2-bladed propeller
  - Diameter reduction allowable to 80 or 86 inches
  - 1000-1500 hours / 5 year TBO
- McCauley 2A34C - 82 or 88 inch diameter 2-bladed propeller
  - Diameter reduction allowable to 80 or 86 inches
  - 1200-1500 hours / 5 year TBO
- McCauley C66 - 82 or 88 inch diameter 2-bladed propeller
  - Diameter reduction allowable to 80 or 86 inches
  - 1500 hour / 5 year TBO
- McCauley C201 - 82 or 88 inch diameter 2-bladed propeller
  - Diameter reduction allowable to 80 or 86.5 inches
  - 1500 hour / 5 year TBO
- McCauley C203 - 82 or 88 inch diameter 2-bladed propeller
  - Diameter reduction allowable to 80 or 86.5 inches
  - 2000 hour / 6 year TBO
- McCauley C204 - 82 inch diameter 2-bladed propeller
  - Diameter reduction allowable to 80.5 inches
  - 2000 hour / 6 year TBO

**Advantages:**
- Better take-off and climb performance
- Excellent acceleration to step
- Longer TBO
- Dramatically lower noise
- Improved appearance
- Less blade tip erosion
- Current design

Basic Kit:
Part Number: C3F01901STP (O-470-A, -K, J, L, -R, -S engine)
1 3-Bladed Propeller: PHC-C3YF-1RF/F8068
1 Polished Spinner: A-2295-1P
1 STC Document Set: SA02821CH

Part Number: C3F07101STP (O-470-U engine)
1 3-Bladed Propeller: HC-C3YF-1RF/F8068
1 Polished Spinner: A-2295-1P
1 STC Document Set: SA02821CH

Aircraft Serial and registration numbers required when ordering
All Prices FOB Hartzell Propeller Inc.
Prices do not include Ohio State Sales Tax
Installation and Dynamic Balancing available at an additional charge
CESSNA 180

**Applicable Models:** 180 thru 180K (O-470-A, -K, -J, -L, -R, -S, -U)

**Specifications:**
- 82 inch dia 3-bladed, scimitar, aluminum hub prop
- 2400 hour / 6 year TBO
- 82 pounds (propeller and spinner)
- Diameter reduction allowable to 78 inches

**Replaces:**
- McCauley C1, C18, C29, C50, C66 88/82 inch diameter 2-bladed propeller
- Diameter reduction allowable to 86.0/80.0 inches
- 1200-1500 hours/5 year TBO
- Oil fill requirement per AD 91-15-04

- McCauley C203 – 88/82 inch diameter 2-bladed propeller
  - Diameter reduction allowable to 86.5/80.5 inches
  - 2400 hours/6 year TBO

- McCauley C204 – 90/82 inch diameter 2-bladed propeller
  - Diameter reduction allowable to 88.5/80.5 inches
  - 2400 hours/6 year TBO

- McCauley C435 – 80.0 inch diameter 3-bladed propeller
  - Diameter reduction allowable to 78.0 inches
  - 2400 hours/6 year TBO

**Advantages:**
- Improved take-off and climb performance
- Dramatic noise reduction
- Longer TBO
- Improved appearance
- Latest hub design and "blended airfoil", Scimitar blades
Cessna 182, 182A-182P
With O-470-L, -R, -S engine

Basic Kit: (182-182G)
Part Number: G2F00011STP
1 2-Bladed Propeller: BHC-G2YF-1BF/F8468A-2R
1 Polished Spinner: D-4798-2P
1 STC Document Set: SA09000SC

Basic Kit: (182H-182P)
Part Number: G2F00011STP*1
1 2-Bladed Propeller: BHC-G2YF-1BF/F8468A-2R
1 Polished Spinner: D-4798P
1 STC Document Set: SA09000SC

Aircraft Serial and registration numbers required when ordering
All Prices FOB Hartzell Propeller Inc.
Prices do not include Ohio State Sales Tax
Installation and Dynamic Balancing available at an additional charge

Telephone: (937) 778-5726 Option 2 / (800) 942-7767 Option 2
Internet: www.hartzellprop.com
Fax: (937) 778-4215
Email: topprop@hartzellprop.com
CESSNA 182

**Applicable Models:** 182, 182A-P (0-470-L, -R, and -S engines)

*Note: a governor change may be required in some cases.*

**Specifications:**
- 82 inch diameter 2-bladed, aluminum hub propeller
- 2400 hour / 6 year TBO
- 61 pounds (propeller and spinner)
- Diameter reduction allowable to 80 inches

**Replaces:**
- Hartzell 82XF - 82 inch diameter, 2-bladed steel hub propeller
  - Diameter reduction allowable to 80 inches
  - 1000 hour / 5 year TBO
- McCauley 2A36C - 82 inch diameter 2-bladed propeller
  - Diameter reduction allowable to 80 inches
  - 1000-1500 hours/5 year TBO
- McCauley 2A34C - 82 inch diameter 2-bladed propeller
  - Diameter reduction allowable to 80 inches
  - 1000-1500 hours/5 year TBO
- McCauley C66 - 82 inch diameter 2-bladed propeller
  - Diameter reduction allowable to 80 inches
  - 1200-1500 hours/5 year TBO
- McCauley C201 - 82 inch diameter 2-bladed propeller
  - Diameter reduction allowable to 80 inches
  - 1500 hours/5 year TBO
- McCauley C203 - 82 inch diameter 2-bladed propeller
  - Diameter reduction allowable to 80.5 inches
  - 2000 hour / 6 year TBO

**Advantages:**
- Longer TBO
- Current design
Cessna 182, 182A-182R
With O-470-L, -R, -S, -U engine

Basic Kit: (182-182G w/ O-470-L, -R, -S engine)
Part Number: G3F00006STP
1 3-Bladed Propeller: PHC-G3YF-1RF/F7691
1 Polished Spinner: D-4798-3P
1 STC Document Set: SA09000SC

Basic Kit: (182H-182P w/ O-470-L, -R, -S engine)
Part Number: G3F00006STP*1
1 3-Bladed Propeller: PHC-G3YF-1RF/F7691
1 Polished Spinner: D-4798-1P
1 STC Document Set: SA09000SC

Basic Kit: (182Q-182R w/ O-470-U engine)
Part Number: G3F00008STP
1 3-Bladed Propeller: PHC-G3YF-1RF/F7691
1 Polished Spinner: D-4798-1P
1 STC Document Set: SA09000SC

Aircraft Serial and registration numbers required when ordering
All Prices FOB Hartzell Propeller Inc.
Prices do not include Ohio State Sales Tax
Installation and Dynamic Balancing available at an additional charge

Telephone: (937) 778-5726 Option 2 / (800) 942-7767 Option 2
Email: topprop@hartzellprop.com
CESSNA 182

**Applicable Models:** 182, 182A-R (0-470-L,R,S, and U engines)

*Note: a governor change may be required in some cases.*

**Specifications:**
- 78 inch diameter 3-bladed, *scimitar*, aluminum hub propeller
- 2400 hour / 6 year TBO
- 75 pounds (propeller and spinner)
- Diameter reduction allowable to 77 inches

**Replaces:**
- Hartzell 82XF- 82 inch diameter, 2-bladed steel hub propeller
  - Diameter reduction allowable to 80 inches
  - 1000 hour / 5 year TBO
- McCauley 2A36C - 82 inch diameter 2-bladed propeller
  - Diameter reduction allowable to 80 inches
  - 1000-1500 hours/5 year TBO
- McCauley 2A34C - 82 inch diameter 2-bladed propeller
  - Diameter reduction allowable to 80 inches
  - 1000-1500 hours/5 year TBO
- McCauley C66 - 82 inch diameter 2-bladed propeller
  - Diameter reduction allowable to 80 inches
  - 1200-1500 hours/5 year TBO
- McCauley C201 - 82 inch diameter 2-bladed propeller
  - Diameter reduction allowable to 80 inches
  - 1500 hours/5 year TBO
- McCauley C203 - 82 inch diameter 2-bladed propeller
  - Diameter reduction allowable to 80.5 inches
  - 2000 hour / 6 year TBO
- McCauley C204 - 82 inch diameter 2-bladed propeller
  - Diameter reduction allowable to 80.5 inches
  - 2000 hour / 6 year TBO

**Advantages:**
- Better take-off and climb performance
- Same or slightly better cruise performance
- Longer TBO
- Dramatically lower noise
- Improved appearance
- Less blade tip erosion
- Current design

Basic Kit:

**Part Number:** G3F00801STP (O-470-L, -R, -S engine)
1 3-Bladed Propeller: PHC-G3YF-1RF/F8068
1 Polished Spinner: D-4798-3P (182 -182G) or D-4798-1P (182H-P)
1 STC Document Set: SA02821CH

**Part Number:** G3F00504STP (O-470-U engine)
1 3-Bladed Propeller: HC-G3YF-1RF/F8068
1 Polished Spinner: D-4798-1P (182Q, R)
1 STC Document Set: SA02821CH
CESSNA 182

**Applicable Models:** 182 thru 182R and F182Q & R(O-470-L, -R, -S, -U)
* Governor change may be required when replacing original steel hub Hartzell.

**Specifications:**
- 82 inch dia 3-bladed, scimitar, aluminum hub prop
- 2400 hour / 6 year TBO
- 83 pounds (propeller and spinner)
- Diameter reduction allowable to 78 inches

**Replaces:**
- Hartzell 82XF - 82 inch diameter, 2-bladed steel hub propeller
  - Diameter reduction allowable to 80 inches
  - 1000 hour / 5 year TBO
- McCauley 2A36C - 82 inch diameter 2-bladed propeller
  - Diameter reduction allowable to 80 inches
  - 1000-1500 hours / 5 year TBO
- McCauley 2A34C - 82 inch diameter 2-bladed propeller
  - Diameter reduction allowable to 80 inches
  - 1000-1500 hours / 5 year TBO
- McCauley C66 - 82 inch diameter 2-bladed propeller
  - Diameter reduction allowable to 80 inches
  - 1200-1500 hours / 5 year TBO
- McCauley C201 - 82 inch diameter 2-bladed propeller
  - Diameter reduction allowable to 80 inches
  - 1500 hours / 5 year TBO
- McCauley C203 - 82 inch diameter 2-bladed propeller
  - Diameter reduction allowable to 80.5 inches
  - 2000 hour / 6 year TBO
- McCauley C204 - 82 inch diameter 2-bladed propeller
  - Diameter reduction allowable to 80.5 inches
  - 2000 hour / 6 year TBO

**Advantages:**
- Improved take-off and climb performance
- Dramatic noise reduction
- Longer TBO
- Improved appearance
- Latest hub design and “blended airfoil”, Scimitar blades
Cessna R182, FR182, TR182 with O-540-J3C5D, or O-540-L3C5D

Basic Kit:
- Part Number: C3R02004STP
- 1 3-Bladed Propeller: HC-C3YR-1RF/F8068
- 1 Polished Spinner: A-2295-3P
- 1 STC Document Set: SA03078CH

Kit Eligibility:
- R182 S/N R18200001 through R18201313.
- FR 182 S/N FR18200001 through FR00045.

Optional: 100803 Balance Weight Kit
- REF: Cessna Service Kit SK182-72A eligibility TR182
- s/n R18200584 though R18201313 only, per TCDS 3A13.
CESSNA R182, FR182, TR182

**Applicable Models:** R182, FR182, TR182 s/n R18200001 through R18201313, and FR18200001 through FR00045

**Specifications:**
- 82 inch dia 3-bladed, **Scimitar**, aluminum, extended hub prop
- 2400 hour / 6 year TBO
- 85.0 pounds (propeller and spinner)
- Diameter reduction allowable to 80 inches

**Replaces:**
- McCauley C214 – 82 inch diameter 2-bladed propeller
  - Diameter reduction allowable to 80.5 inches
  - 2400 hour / 6 year TBO

- McCauley C217 82 inch diameter 2-bladed propeller
  - Diameter reduction allowable to 80.5 inches
  - 2400 hour / 6 year TBO

- McCauley C407 79 inch diameter 3-bladed propeller
  - Diameter reduction allowable to 78.0 inches
  - 2400 hour / 6 year TBO

- McCauley C433 79 inch diameter 3-bladed propeller
  - Diameter reduction allowable to 77.0 inches
  - 2400 hour / 6 year TBO

**Advantages:**
- Improved climb performance - + 8.5% over 79" McCauley
- Better cruise performance than 79" McCauley  (2-4 knots)
- Noise – 77.5 dB(a) measured per FAR 36, Appendix G, and also meets ICAO Annex 16, Chapter 10 noise standards.
- Improved appearance
- Current design
Cessna R182, FR182, TR182, and T182 with O-540-J3C5D, or O-540-L3C5D

Basic Kit:

Part Number: I3R00203STP
1 3-Bladed Propeller: HC-I3YR-1RF/F8068
1 Polished Spinner: D-6750-P
1 STC Document Set: SA03078CH

Kit with electric De-ice:

Part Number: I3R00250STP
1 3-Bladed Propeller: HC-I3YR-1RF/F8068B
1 Polished Spinner: 105012P
1 Airframe De-ice Kit: 104996
1 STC Document Set: SA03078CH

Kit Eligibility:
R182, TR182 S/N R18201314 through R18202041.
FR 182 S/N FR18200046 through FR00070.
T182 S/N 18267716 through 18268368, and
182-68369 through 182-68541.

Optional: 1 100800 Balance Weight Kit
REF: Cessna Service Kit SK182-71E.
See next page for eligibility details.
CESSNA R182, FR182, TR182, T182

**Applicable Models:** R182, FR182, TR182 and T182 s/n R18201314 through R18202041, FR18200046 through FR00070, and T182 18267716 though 18268368, and 182-68369 through 182-68541.

**Specifications:**
- 82 inch dia 3-bladed, *Scimitar*, aluminum, extended hub prop
- Compatible De-ice: (Replaces 3 blade to 3 blade only)
- 2400 hour / 6 year TBO
- 85.0 pounds (propeller and spinner)
- Diameter reduction allowable to 80 inches

**Replaces:**
- McCauley C218 – 82 inch diameter 2-bladed propeller
  - Diameter reduction allowable to 80.5 inches
  - 2400 hour / 6 year TBO
- McCauley C219 82 inch diameter 2-bladed propeller
  - Diameter reduction allowable to 80.5 inches
  - 2400 hour / 6 year TBO
- McCauley C407 79 inch diameter 3-bladed propeller
  - Diameter reduction allowable to 78.0 inches
  - 2400 hour / 6 year TBO
- McCauley C431 79 inch diameter 3-bladed propeller
  - Diameter reduction allowable to 77.0 inches
  - 2400 hour / 6 year TBO

**Advantages:**
- Improved climb performance - + 8.5% over 79” McCauley
- Better cruise performance than 79” McCauley (2-4 knots)
- Noise – 77.5 dB(a) measured per FAR 36, Appendix G, and also meets ICAO Annex 16, Chapter 10 noise standards.
- Improved appearance
- Current design

**Notes:**
**Balance Weight Kit eligibility per SK182-71E:**
- R182 s/n R18201314 through R18201628,
- FR82 s/n FR18200046 through FR18200070,
- TR182 R18201314 through R18201628,
- R182 s/n R18201629 through R18202041 (per TCDS 3A13, Rev. 69),
- TR182 s/n R18201629 and later (per TCDS 3A13, Rev. 69).
Cessna 182S, 182T, T182T with IO-540-AB1A5, TIO-540-AK1A

Basic Kit:
Part Number: F3R00600STP
1 3-Bladed Propeller: HC-F3YR-1ARF/F8068
1 Polished Spinner: A-2295-3P
1 STC Document Set: SA03078CH

Kit with Electric de-ice:
Part Number: F3R00650STP
1 3-Bladed Propeller: HC-F3YR-1ARF/F8068K
1 Polished Spinner: A-2295-14P
1 Airframe de-ice kit: 104522
1 STC Document Set: SA03078CH
CESSNA 182S, 182T, T182T

**Applicable Models:** 182S, 182T, T182T

**Specifications:**
- 82 inch dia 3-bladed, **Scimitar**, aluminum, extended hub prop
- Compatible De-ice (replaces 3 blade to 3 blade only)
- 2400 hour / 6 year TBO
- 86.0 pounds (propeller and spinner)
- Diameter reduction allowable to 80 inches

**Replaces:**
- McCauley C235 – 82 inch diameter 2-bladed propeller
  - Diameter reduction allowable to 80.0 inches
  - 2400 hour / 6 year TBO

- McCauley C431 79 inch diameter 3-bladed propeller
  - Diameter reduction allowable to 77.0 inches
  - 2400 hour / 6 year TBO

- McCauley C442 79 inch diameter 3-bladed propeller
  - Diameter reduction allowable to 77.0 inches
  - 2400 hour / 6 year TBO

**Advantages:**
- Improved climb performance - + 8.5% over 79” McCauley
- Better cruise performance than 79” McCauley (2-4 knots)
- Noise – 77.5 dB(a) measured per FAR 36, Appendix G, and also meets ICAO Annex 16, Chapter 10 noise standards.
- Improved appearance
- Current design

MCT April 2012
Cessna 185 thru 185E with IO-470-F engine

Basic Kit:
- Part Number: C3F01904STP
- 1 3-Bladed Propeller: PHC-C3YF-1RF/F8068
- 1 Polished Spinner: C-3575-P
- 1 STC Document Set: SA02821CH

Aircraft Serial and registration numbers required when ordering
All Prices FOB Hartzell Propeller Inc.
Prices do not include Ohio State Sales Tax
Installation and Dynamic Balancing available at an additional charge
CESSNA 185 (IO-470 powered)

**Applicable Models:** 185 thru 185E (IO-470-F)

**Specifications:**
82 inch dia 3-bladed, scimitar, aluminum hub prop
2400 hour / 6 year TBO
82 pounds (propeller and spinner)
Diameter reduction allowable to 78 inches

**Replaces:**
McCauley C33/C49/C48/C58 – 88 inch diameter
2-bladed propeller
Diameter reduction allowable to 80.5 inches
1200-1500 hours/5 year TBO
Oil fill requirement per AD 91-15-04

McCabe C230 – 88 inch diameter
2-bladed propeller
Diameter reduction allowable to 80.5 inches
2400 hours/6 year TBO

**Advantages:**
Improved take-off and climb performance
Dramatic noise reduction
Longer TBO
Improved appearance
Latest hub design and “blended airfoil”, Scimitar blades
Cessna A185E, A185F
With IO-520-D engine

Basic Kit: (78” Diameter) (HC Indexing)
  Part Number: C3F00050STP
  1 3-Bladed Propeller: HC-C3YF-1RF/F8468A-8R
  1 Polished Spinner: C-3575-P
  1 STC Document Set: SA1443NM

Basic Kit: (78” Diameter) (PHC Indexing)
  Part Number: C3F00131STP*1
  1 3-Bladed Propeller: PHC-C3YF-1RF/F8468A-8R
  1 Polished Spinner: C-3575-P
  1 STC Document Set: SA1443NM

Aircraft Serial and registration numbers required when ordering
All Prices FOB Hartzell Propeller Inc.
Prices do not include Ohio State Sales Tax
Installation and Dynamic Balancing available at an additional charge

Telephone: (937) 778-5726 Option 2 / (800) 942-7767 Option 2
Internet: www.hartzellprop.com
Fax: (937) 778-4215
Email: topprop@hartzellprop.com
CESSNA 185

**Applicable Models:** A185E, A185F

* Note: No engine mount change is required per the Hartzell STC paperwork. Changing to the heavier mounts, however, may be needed if vibration is experienced.

** Note: The STC paperwork only covers floats that were originally type certified on the aircraft.

**Specifications:**
- 78 inch diameter 3-bladed, aluminum hub propeller
- 2400 hour / 6 year TBO
- 78 pounds (propeller and spinner)
- Diameter reduction allowable to 77 inches

**Replaces:**
- McCauley C58 - 86 inch diameter 2-bladed prop
  - Diameter reduction allowable to 84.5 inches
  - Oil fill requirement per AD 91-15-04
  - 1200-1500 hour / 5 year TBO
- McCauley C403 - 80 inch diameter 3-bladed prop
  - Diameter reduction allowable to 78.5 inches
  - 2000 hour / 6 year TBO

**Advantages:**
- vs. McCauley C58 2-bladed model
  - Better take off and climb performance
  - Longer TBO
  - Dramatically lower noise
  - Improved looks
  - Less blade tip erosion
  - Current design, Mc threaded design obsolete
- vs. McCauley C403 3-bladed model
  - Better take-off and climb performance
  - Longer TBO
  - Lower noise
  - Less blade tip erosion
  - Current design, Mc threaded design obsolete
Cessna A185E, A185F
With IO-520-D engine

Basic Kit: (80” Diameter)
Part Number: C3F00119STP
1 3-Bladed Propeller: PHC-C3YF-1RF/F8468A-6R
1 Polished Spinner: C-3575-P
1 STC Document Set: SA1443NM
CESSNA 185

Applicable Models: A185E, A185F
* Note: No engine mount change is required per the Hartzell STC paperwork. Changing to the heavier mounts, however, may be needed if vibration is experienced.

**Note: STC paperwork only covers floats that were originally type certified on the aircraft.

***Note: This propeller should be especially effective for aircraft operating on floats, out of short fields, or with heavy loads.

Specifications: 80 inch diameter 3-bladed, aluminum hub propeller
2400 hour / 6 year TBO
78 pounds (propeller and spinner)
Diameter reduction allowable to 79 inches

Replaces: McCauley C58 - 86 inch diameter 2-bladed prop
Diameter reduction allowable to 84.5 inches
Oil fill requirement per AD 91-15-04
1200-1500 hour / 5 year TBO

McCauley C403 - 80 inch diameter 3-bladed prop
Diameter reduction allowable to 78.5 inches
2000 hour / 6 year TBO

Advantages: vs. McCauley C58 2-bladed model
Better take off and climb performance
Longer TBO
Dramatically lower noise
Less blade tip erosion
Current design, Mc threaded design obsolete

vs. McCauley C403 3-bladed model
Better take-off and climb performance
Longer TBO
Cessna A185E, A185F
With IO-520-D engine

Basic Kit: (84” Diameter)
Part Number: C3F00047STP
1 3-Bladed Propeller: HC-C3YF-1RF/F8468A-2R – Gray blades (pictured)
1 Polished Spinner: C-3575-P
1 STC Document Set: SA02528CH-D

Basic Kit: (86” Diameter)
Part Number: C3F00045STP
1 3-Bladed Propeller: HC-C3YF-1RF/F8468AR(*1) – Black blades
1 Polished Spinner: C-3575-P
1 STC Document Set: SA02528CH-D

Aircraft Serial and registration numbers required when ordering
All Prices FOB Hartzell Propeller Inc.
Prices do not include Ohio State Sales Tax
Installation and Dynamic Balancing available at an additional charge

Telephone: (937) 778-5726 Option 2 / (800) 942-7767 Option 2
Internet: www.hartzellprop.com

CESSNA 185

**Applicable Models:** A185E, A185F

* Note: No engine mount change is required per the Hartzell STC paperwork. Changing to the heavier mounts, however, may be needed if vibration is experienced.

**Note:** STC paperwork only covers floats that were originally type certified on the aircraft.

***Note:** This propeller should be especially effective for aircraft operating on floats, out of short fields, or with heavy loads.

**Specifications:**
- 84 - 86 inch diameter 3-bladed, aluminum hub propeller
- 2400 hour / 6 year TBO
- 82 pounds (propeller and spinner)
- Diameter reduction allowable to 80 inches
- Maximum RPM on both propellers, 2700 RPM
  - 84” No RPM restriction
  - Placard – “Continuous operation is prohibited above 26 inches MP between 2250 – 2450 RPM” (86” diameter only)

**Replaces:**
- McCauley C58 - 86 inch diameter 2-bladed prop
  - Diameter reduction allowable to 84.5 inches
  - Oil fill requirement per AD 91-15-04
  - 1200-1500 hour / 5 year TBO
- McCauley C403 - 80 inch diameter 3-bladed prop
  - Diameter reduction allowable to 78.5 inches
  - 2000 hour / 6 year TBO

**Advantages:**
- vs. McCauley C58 2-bladed model
  - Better take-off performance
  - Longer TBO
  - Current design, Mc threaded design obsolete
- vs. McCauley C401 3-bladed model
  - Better take-off performance
  - Longer TBO
- vs. McCauley C403 3-bladed model
  - Better take-off performance
  - 8.2% decrease in time to accelerate to 50 KIAS
  - Longer TBO
Cessna A185E & A185F with IO-520-D engine

**Basic Kit:**
- **Part Number:** C3F07551STP
- 1 3-Bladed Propeller: HC-C3YF-1RF/F8068-2
- 1 Polished Spinner: C-3575-P
- 1 STC Document Set: SA02821CH

Aircraft Serial and registration numbers required when ordering
All Prices FOB Hartzell Propeller Inc.
Prices do not include Ohio State Sales Tax
Installation and Dynamic Balancing available at an additional charge

Telephone: (937) 778-5726 Option 2 / (800) 942-7767 Option 2
Internet: www.hartzellprop.com
Fax: (937) 778-4215
Email: topprop@hartzellprop.com
CESSNA A185 (IO-520 powered)

Applicable Models: A185E, A185F (IO-520-D)

Note: No engine mount change is required per the Hartzell STC paperwork. Changing to the heavier mounts, however, may be needed if vibration is experienced.

Specifications: 80 inch dia 3-bladed, scimitar, aluminum hub prop
2400 hour / 6 year TBO
82 pounds (propeller and spinner)
Diameter reduction allowable to 78 inches

Replaces: McCauley C58 - 86 inch diameter 2-bladed prop
Diameter reduction allowable to 84.5 inches
Oil fill requirement per AD 91-15-04
1200-1500 hour / 5 year TBO

McCauley C403 - 80 inch diameter 3-bladed prop
Diameter reduction allowable to 78.5 inches
2000 hour / 6 year TBO

Advantages: Improved take-off and climb performance
Dramatic noise reduction
Longer TBO
Improved appearance
Latest hub design and “blended airfoil”, Scimitar blades
Cessna A188, A188A, A188B
With IO-520-D engine

Basic Kit:
- Part Number: C3F00129STP
- 1 3-Bladed Propeller: PHC-C3YF-1RF/F8468A-6R
- 1 Polished Spinner: C-3535-1P
- 1 STC Document Set: SA00470AT

Aircraft Serial and registration numbers required when ordering
All Prices FOB Hartzell Propeller Inc.
Prices do not include Ohio State Sales Tax
Installation and Dynamic Balancing available at an additional charge

Telephone: (937) 778-5726 Option 2 / (800) 942-7767 Option 2
Internet: www.hartzellprop.com
Fax: (937) 778-4215
Email: topprop@hartzellprop.com
CESSNA A188 SERIES

Applicable Models: A188, A188A, A188B

Specifications:
- 80 inch diameter 3-bladed, aluminum hub propeller
- 2000 hour / 3 year recommended TBO, for agricultural aircraft
- 81 pounds (propeller and spinner)
- Diameter reduction allowable to 77 inches

Replaces:
- McCauley C58 - 82 inch diameter 2-bladed prop
  - Diameter reduction allowable, 82 to 80 inches
  - 1200 hour / 5 year TBO

- McCauley C58 - 86 inch diameter 2-bladed prop
  - Diameter reduction allowable to 84 inches
  - Oil fill requirement per AD 91-15-04
  - 1200-1500 hour / 5 year TBO

- McCauley C98 - 82 inch diameter 2-bladed prop
  - Diameter reduction allowable, 82 to 80 inches
  - 1200 hour / 5 year TBO

- McCauley C98 - 86 inch diameter 2-bladed prop
  - Diameter reduction allowable, 86 to 84 inches
  - 1200 hour / 5 year TBO

- McCauley C90 - 80 inch diameter 3-bladed prop
  - Diameter reduction allowable, 80 to 78.5 inches
  - 1200 hour / 5 years TBO

- McCauley C205 - 86 inch diameter 2-blade prop
  - Diameter reduction allowable, 86 to 84.5 inches
  - 1200 hour / 5 year TBO

- McCauley C408 - 80 inch diameter 3-bladed prop
  - Diameter reduction allowable to 78.5 inches
  - 1200 hour / 5 year TBO

Advantages:

vs. McCauley C58 and C98 2-bladed models
- Better take off and climb performance
- Dramatically lower noise
- Less blade tip erosion
- Current design, Mc threaded design obsolete

vs. McCauley C90 3-bladed model
- Better take off and climb performance
- Current design, Mc threaded design obsolete

vs. McCauley C205 2-bladed model
- Dramatically lower noise
- Less blade tip erosion

vs. McCauley C408 3-bladed model
- Better take-off and climb performance

Basic Kit: U206B thru U206G (to s/n: U20604074) (78" diameter) (10° low pitch) (HC indexing)
- Part Number: C3F00050STP*1
- 1 3-Bladed Propeller: HC-C3YF-1RF/F8468A-8R
- 1 Polished Spinner: A-2295-1P
- 1 STC Document Set: SA685AL

Basic Kit: 206, U206, U206A, P206A, TP206A, TU206A thru F (to s/n: U20602199) (78" diameter) (11.5° low pitch) (HC indexing)
- Part Number: C3F00053STP
- 1 3-Bladed Propeller: HC-C3YF-1RF/F8468A-8R
- 1 Polished Spinner: A-2295-1P
- 1 STC Document Set: SA685AL

Basic Kit: U206B thru U206G (to s/n: U20604074) (78" diameter) (10° low pitch) (PHC indexing)
- Part Number: C3F00131STP
- 1 3-Bladed Propeller: PHC-C3YF-1RF/F8468A-8R
- 1 Polished Spinner: A-2295-1P
- 1 STC Document Set: SA685AL

Basic Kit: 206, U206, U206A, P206A, TP206A, TU206A thru F (to s/n: U20602199) (78" diameter) (11.5° low pitch) (PHC indexing)
- Part Number: C3F00136STP
- 1 3-Bladed Propeller: PHC-C3YF-1RF/F8468A-8R
- 1 Polished Spinner: A-2295-1P
- 1 STC Document Set: SA685AL

Aircraft Serial and registration numbers required when ordering
All Prices FOB HartZell Propeller Inc.
Prices do not include Ohio State Sales Tax
Installation and Dynamic Balancing available at an additional charge

Telephone: (937) 778-5726 Option 2 / (800) 942-7767 Option 2
Internet: www.hartzellprop.com
Fax: (937) 778-4215
Email: topprop@hartzellprop.com
CESSNA 206 SERIES

**Applicable Models:** 206, U206A-U206G (to S/N U20604074),
TU206 (to S/N U20602199), (T)P206A

**Specifications:**
- 78 inch diameter 3-bladed aluminum hub propeller
- 2400 hour / 6 year TBO
- 76 pounds (propeller and spinner)
- Diameter reduction allowable to 77 inches

**Replaces:**
- McCauley C58, C78 - 82 inch diameter 2-bladed prop
  - Diameter reduction allowable to 80 inches
  - Oil fill requirement per AD 91-15-04
  - 1200 - 1500 hours/5 year TBO
- McCauley C79 - 80 inch diameter 3-bladed prop
  - Diameter reduction allowable to 78 inches
  - 1200 hours/5 year TBO
- McCauley C90 - 80 inch diameter 3-bladed prop
  - Diameter reduction allowable to 78 inches
  - 1200 - 1500 hour/5 year TBO

**Advantages:**

vs. McCauley C58, C78 2-bladed model
- Better take-off and climb performance
- Longer TBO
- Dramatically lower noise
- Less blade tip erosion
- Current design, Mc threaded design obsolete

vs. McCauley C79 3-bladed model
- Longer TBO
- Dramatically lower noise
- Less blade tip erosion
- Current design, Mc threaded design obsolete

vs. McCauley C90 3-bladed model
- Faster cruise speed
- Lower noise
- Longer TBO
- Less blade tip erosion
- Greater repair allowance
- Current design, Mc threaded design obsolete

Basic Kit: U206B through U206G (to s/n: U20604074) (80” diameter) (10˚ low pitch)
Part Number: C3F00119STP
1 3-Bladed Propeller: PHC-C3YF-1RF/F8468A-6R
1 Polished Spinner: A-2295-1P
1 STC Document Set: SA685AL

Basic Kit: 206, U206, U206A, P206A, TP206A, TU206A thru F (to s/n: U20602199) (80” diameter) (11.5˚ low pitch)
Part Number: C3F00133STP
1 3-Bladed Propeller: PHC-C3YF-1RF/F8468A-6R
1 Polished Spinner: A-2295-1P
1 STC Document Set: SA685AL
CESSNA 206 SERIES

**Applicable Models:**
- 206, U206A - U206G (to S/N U20604074)
- TU206 (to S/N U20602199), (T)P206A

*Note: This propeller should be especially effective for aircraft operating on floats, out of short fields, or with heavy loads.

**Specifications:**
- 80 inch diameter 3-bladed aluminum hub propeller
- 2400 hour / 6 year TBO
- 77 pounds (propeller and spinner)
- Diameter reduction allowable to 77 inches

**Replaces:**
- McCauley C58, C78 - 82 inch diameter 2-bladed prop
- Diameter reduction allowable to 80 inches
- Oil fill requirement per AD 91-15-04
- 1200 - 1500 hours/5 year TBO
- McCauley C79 - 80 inch diameter 3-bladed prop
- Diameter reduction allowable to 78 inches
- 1200 hours/5 year TBO
- McCauley C90- 80 inch diameter 3-bladed prop
- Diameter reduction allowable to 78 inches
- 1200-1500 hour / 5 year TBO

**Advantages:**
- vs. McCauley C58, C78 2-bladed model
  - Better take-off and climb performance
  - Longer TBO
  - Lower noise
  - Less blade tip erosion
  - Current design, Mc threaded design obsolete
- vs. McCauley C79 3-bladed model
  - Longer TBO
  - Lower noise
  - Greater repair allowance
  - Current design, Mc threaded design obsolete
- vs. McCauley C90 3-bladed model
  - Lower noise
  - Longer TBO
  - Greater repair allowance
  - Current design, Mc threaded design obsolete
Cessna 206, P206(A), U206 – U206F & U206G through s/n U206004074, TP206A, TU206A – TU206E & TU206F through s/n U20602199
With IO-520-A, F, TSIO-520-C

Basic Kit: (82" Diameter) Landplane
Part Number: C3F00046STP
1 3-Bladed Propeller: HC-C3YF-1RF/F8468A-4R
1 Polished Spinner: A-2295-1P
1 STC Document Set: SA02752CH-D

Basic Kit: (84" Diameter) Floatplane
Part Number: C3F00042STP
1 3-Bladed Propeller: HC-C3YF-1RF/F8468A-2R
1 Polished Spinner: A-2295-1P
1 STC Document Set: SA02752CH-D

Basic Kit: (86" Diameter) Floatplane
Part Number: C3F00043STP
1 3-Bladed Propeller: HC-C3YF-1RF/F8468AR
1 Polished Spinner: A-2295-1P
1 STC Document Set: SA02752CH-D

SEE PAGE 2 FOR EXPLICIT ELIGIBILITY AND LIMITATIONS
CESSNA 206

**Applicable Models:** 

Landplane Prop (82") 206, P206A, U206, U206A, TP206A, TU206A though TU206F though s/n 20602199.

**Note:** Replaces short hub C58, C78, C79, C90, and C230 only.

**Specifications:**
- 82 - 86 inch diameter 3-bladed, aluminum hub propeller
- 2400 hour / 6 year TBO
- 82.2/82.4/82.6 pounds (propeller and spinner)
- Two inch diameter reduction allowable
- Maximum RPM 2700
- TU206C, D, E and F using 86" (P)HC-C3YR-1RF/F8468AR are limited to 2690 RPM under this STC for noise certification
- U206B through U206G using IO-520-F engine, take-off and max continuous RPM is limited to 2700 RPM
- Placard (normally aspirated)
  - "Continuous operation is prohibited above 26 inches MP between 2250 – 2450 RPM" (86" diameter only)
- Placard (turbo-charged)
  - "Continuous operation is prohibited above 28 inches MP between 2250 – 2450 RPM" (86" diameter only)
- Placards do not apply to 82" or 84" diameter propellers

**Replaces:**
- McCauley C58 / C78 – 82 - 88 inch diameter 2-bladed prop
  - Oil fill requirement per AD 91-15-04
  - 1200-1500 hour / 5 year TBO
- McCauley C79 / C90 - 80 inch diameter 3-bladed prop
  - Oil fill requirement per AD 91-15-04
  - 1500 hour / 6 year TBO

**Advantages:**
- **vs. McCauley C58 / C78 2-bladed model**
  - Better take-off performance
  - Longer TBO
  - Current design, Mc threaded design obsolete

- **vs. McCauley C79 / C90 3-bladed model**
  - Better take-off performance
  - 9.5% decrease in time to accelerate to 60 MIAS
  - Longer TBO
  - Current design, Mc threaded design obsolete

**Note:**
- vs. all models - 3% decrease in engine out glide distance
Cessna U206G (s/n: U20604075 and up), P206 thru P206E, TP206A thru TP206E, TU206F (s/n: U206-02200 to U206-03521), TU206G With IO-520-A, -F, TSIO-520, -C, -M engine

Basic Kit: U206G (s/n: U206-04075 and up) (78” diameter) (10˚ low pitch)
Part Number: J3F00017STP
1 3-Bladed Propeller: PHC-J3YF-1RF/F8468A-8R
1 Polished Spinner: C-4582-P
1 STC Document Set: SA685AL

Basic Kit: P206 thru P206E, TP206A thru TP206E, TU206F (s/n: U206-02200 to U206-03521), TU206G (78” diameter) (11.5˚ low pitch)
Part Number: J3F00011STP
1 3-Bladed Propeller: PHC-J3YF-1RF/F8468A-8R
1 Polished Spinner: C-4582-P
1 STC Document Set: SA685AL

Aircraft Serial and registration numbers required when ordering
All Prices FOB Hartzell Propeller Inc.
Prices do not include Ohio State Sales Tax
Installation and Dynamic Balancing available at an additional charge

Telephone: (937) 778-5726 Option 2 / (800) 942-7767 Option 2
Internet: www.hartzellprop.com
Fax: (937) 778-4215
Email: topprop@hartzellprop.com
CESSNA 206 SERIES

Applicable Models: U206G (from S/N U20604075)
TU206 (from S/N U20602200), (T)P206

Specifications:
- 78 inch diameter 3-bladed aluminum, extended hub propeller
- 2400 hour / 6 year TBO
- 78 pounds (propeller and spinner)
- Diameter reduction allowable to 77 inches

Replaces:
- McCauley C64, C73 - 82 inch diameter 2-bladed prop
- Diameter reduction allowable to 80 inches
- Oil fill requirement per AD 91-15-04
- 1200 - 1500 hours/5 year TBO
- McCauley C77, C88 - 80 inch diameter 3-bladed prop
- Diameter reduction allowable to 78 inches
- 1200 hours/5 year TBO
- McCauley C402, C404 - 80 inch 3-bladed prop
- Diameter reduction allowable to 78.5 inches
- 2000 hour / 6 year TBO

Advantages:
vs. McCauley C64, C73 2-bladed model
- Better take-off and climb performance
- Longer TBO
- Dramatically lower noise
- Less blade tip erosion
- Current design, Mc threaded design obsolete

vs. McCauley C77 3-bladed model
- Longer TBO
- Dramatically lower noise
- Less blade tip erosion
- Current design, Mc threaded design obsolete

vs. McCauley C88 3-bladed model
- Faster cruise speed
- Lower noise
- Longer TBO
- Less blade tip erosion
- Greater repair allowance
- Current design, Mc threaded design obsolete

vs. McCauley C402, C404 3-bladed model
- Longer TBO
- Increased ground clearance
- Lower tip speed (reduced noise)
Cessna U206G (s/n: U20604075 and up), P206 thru P206E, TP206A thru TP206E, TU206F (s/n: U206-02200 to U206-03521), TU206G With IO-520-A, -F, TSIO-520, -C, -M engine

Basic Kit: U206G (s/n: U20604075 and up) (80” diameter) (10˚ low pitch)
   Part Number: J3F00016STP
   1 3-Bladed Propeller: PHC-J3YF-1RF/F8468A-6R
   1 Polished Spinner: C-4582-P
   1 STC Document Set: SA685AL

Basic Kit: P206 thru P206E, TP206A thru TP206E, TU206F (s/n: U206-02200 to U206-03521) (80” diameter), TU206G (11.5˚ low pitch)
   Part Number: J3F00012STP
   1 3-Bladed Propeller: PHC-J3YF-1RF/F8468A-6R
   1 Polished Spinner: C-4582-P
   1 STC Document Set: SA685AL

Aircraft Serial and registration numbers required when ordering
All Prices FOB Hartzell Propeller Inc.
Prices do not include Ohio State Sales Tax
Installation and Dynamic Balancing available at an additional charge

Telephone: (937) 778-5726 Option 2 / (800) 942-7767 Option 2
Internet: www.hartzellprop.com
Fax: (937) 778-4215
Email: topprop@hartzellprop.com
CESSNA 206 SERIES

Applicable Models: U206G (from S/N U20604075)
TU206 (from S/N U20602200), (T)P206

* Note: This propeller should be especially effective for aircraft operating on floats, out of short fields, or with heavy loads.

Specifications:
80 inch diameter 3-bladed aluminum, extended hub propeller
2400 hour / 6 year TBO
79 pounds (propeller and spinner)
Diameter reduction allowable to 77 inches

Replaces:
McCaauley C64, C73 - 82 inch diameter 2-bladed prop
Diameter reduction allowable to 80 inches
Oil fill requirement per AD 91-15-04
1200 - 1500 hours/5 year TBO

McCaauley C77, C88 - 80 inch diameter 3-bladed prop
Diameter reduction allowable to 78 inches
1200 hour / 5 year TBO

McCaauley C402, C404 - 80 inch diameter 3-blade prop
Diameter reduction allowable to 78.5 inches
2000 hour / 6 year TBO

Advantages:
vs. McCaauley C64, C73 2-bladed model
Better take-off and climb performance
Longer TBO
Lower noise
Less blade tip erosion
Current design, Mc threaded design obsolete

vs. McCaauley C77, C88 3-bladed model
Longer TBO
Lower noise
Greater repair allowance
Current design, Mc threaded design obsolete

vs. McCaauley C402, C404 3-bladed model
Longer TBO
Greater repair allowance
Cessna 206, 206A, TU206A – TU206F s/n U20602199, P206A, and TP206A (replacing C78, C79, C90 only) with IO-520-A or TSIO-520-C engine

Basic Kit:
- Part Number: C3F07100STP
- 1 3-Bladed Propeller: HC-C3YF-1RF/F8068
- 1 Polished Spinner: A-2295-1P
- 1 STC Document Set: SA02821CH

Aircraft Serial and registration numbers required when ordering
All Prices FOB Hartzell Propeller Inc.
Prices do not include Ohio State Sales Tax
Installation and Dynamic Balancing available at an additional charge
CESSNA 206 (IO-520 powered)

**Applicable Models:** U206, U206A, TU206A – TU206F s/n U20602199, P206A, and TP206A (replacing C78, C79, C90 only). (IO-520-A or TSIO-520C)

**Specifications:**
- 82 inch dia 3-bladed, **scimitar**, aluminum hub prop
- 2400 hour / 6 year TBO
- 82 pounds (propeller and spinner)
- Diameter reduction allowable to 78 inches

**Replaces:**
- McCauley C58 /C78 – 82 - 88 inch diameter 2-bladed prop
- Oil fill requirement per AD 91-15-04
  - 1200-1500 hour / 5 year TBO
- McCauley C79 / C90 80 inch diameter 3-bladed prop
  - Diameter reduction allowable to 78.5 inches
  - 2000 hour / 6 year TBO

**Advantages:**
- Improved take-off and climb performance
- Dramatic noise reduction
- Longer TBO
- Improved appearance
- Latest hub design and “blended airfoil”, Scimitar blades
Cessna U206B – U206G (s/n U20604074) with IO-520-F engine

Basic Kit:

Part Number: C3F07550STP
1 3-Bladed Propeller: HC-C3YF-1RF/F8068-2
1 Polished Spinner: A-2295-1P
1 STC Document Set: SA02821CH

Aircraft Serial and registration numbers required when ordering

All Prices FOB Hartzell Propeller Inc.
Prices do not include Ohio State Sales Tax
Installation and Dynamic Balancing available at an additional charge

Telephone: (937) 778-5726 Option 2 / (800) 942-7767 Option 2
Internet: www.hartzellprop.com
Fax: (937) 778-4215
Email: topprop@hartzellprop.com
CESSNA 206 (IO-520 powered)

Applicable Models: U206B through U206G (s/n U20604074). (IO-520-F)

Specifications: 80 inch dia 3-bladed, scimitar, aluminum hub prop
2400 hour / 6 year TBO
82 pounds (propeller and spinner)
Diameter reduction allowable to 78 inches

Replaces: McCauley C58 /C78 – 82 - 86 inch diameter 2-bladed prop
Oil fill requirement per AD 91-15-04
1200-1500 hour / 5 year TBO

McCauley C79 / C90 80 inch diameter 3-bladed prop
Diameter reduction allowable to 78.5 inches
2000 hour / 6 year TBO

Advantages: Improved take-off and climb performance
Dramatic noise reduction
Longer TBO
Improved appearance
Latest hub design and “blended airfoil”, Scimitar blades
Cessna P206, P206A (replacing C73, C88), P206B – P206E, TP206A (replacing C70, C77, C88), TP206B – TP206E, and TU206F (s/n U20602200 - U20603521) with IO-520-A or TSIO-520-C engine

Basic Kit:
Part Number: J3F00552STP
1 3-Bladed Propeller: HC-J3YF-1RF/F8068
1 Polished Spinner: C-4582-1P
1 STC Document Set: SA02821CH
CESSNA 206 (IO-520 powered)

**Applicable Models:** P206, P206A (replacing C73, C88), P206B thru P206E, TP206A (replacing C70, C77, C88), TP206B, thru TP206E, and TU206F (s/n U20602200 – U20603521) . (IO-520-A, TSIO-520-C)

**Specifications:**
82 inch dia 3-bladed, scimitar, aluminum hub prop
2400 hour / 6 year TBO
82 pounds (propeller and spinner)
Diameter reduction allowable to 78 inches

**Replaces:**
McCauley C70 / C73  82 inch diameter 2-bladed prop
Diameter reduction allowable to 80.0 inches
Oil fill requirement per AD 91-15-04
1200-1500 hour / 5 year TBO

McCauley C77, C88  80 inch diameter 3-bladed prop
Diameter reduction allowable to 78.0 inches
1200 hour / 5 year TBO

**Advantages:**
Improved take-off and climb performance
Dramatic noise reduction
Longer TBO
Improved appearance
Latest hub design and "blended airfoil", Scimitar blades
Cessna Late U206G (s/n U20604075 and after) with IO-520-F engine

Basic Kit:

Part Number: J3F00501STP
1 3-Bladed Propeller: HC-J3YF-1RF/F8068-2
1 Polished Spinner: C-4582-1P
1 STC Document Set: SA02821CH

Aircraft Serial and registration numbers required when ordering

All Prices FOB Hartzell Propeller Inc.
Prices do not include Ohio State Sales Tax
Installation and Dynamic Balancing available at an additional charge

Telephone: (937) 778-5726 Option 2 / (800) 942-7767 Option 2
Fax: (937) 778-4215
Internet: www.hartzellprop.com
Email: topprop@hartzellprop.com
CESSNA 206 (IO-520 powered)

**Applicable Models:** U206G (s/n U20604075 and after). (IO-520-F)

**Specifications:**
- 80 inch dia 3-bladed, scimitar, aluminum hub prop
- 2400 hour / 6 year TBO
- 84.75 pounds (propeller and spinner)
- Diameter reduction allowable to 78 inches

**Replaces:**
- McCauley C404 80 inch diameter 3-bladed prop
- Diameter reduction allowable to 78.5 inches
- 2400 hour / 6 year TBO

**Advantages:**
- Improved take-off and climb performance
- Dramatic noise reduction
- Longer TBO
- Improved appearance
- Latest hub design and "blended airfoil", Scimitar blades
Cessna TU206G with TSIO-520-M engine

Basic Kit:

- **Part Number:** J3F00551STP
- **1 3-Bladed Propeller:** HC-J3YF-1RF/F8068
- **1 Polished Spinner:** C-4582-1P
- **1 STC Document Set:** SA02821CH

__________________________________________________________________________________________________

Aircraft Serial and registration numbers required when ordering

All Prices FOB Hartzell Propeller Inc.

Prices do not include Ohio State Sales Tax

Installation and Dynamic Balancing available at an additional charge

Telephone: (937) 778-5726 Option 2 / (800) 942-7767 Option 2

Internet: www.hartzellprop.com

Fax: (937) 778-4215

Email: topprop@hartzellprop.com
CESSNA 206 (IO-520 powered)

**Applicable Models:** TU206G (TSIO-520-M)

**Specifications:**
- 82 inch dia 3-bladed, **scimitar**, aluminum hub prop
- 2400 hour / 6 year TBO
- 84.75 pounds (propeller and spinner)
- Diameter reduction allowable to 78 inches

**Replaces:**
- McCauley C402 80 inch diameter 3-bladed prop
  - Diameter reduction allowable to 78.5 inches
  - 2400 hour / 6 year TBO

**Advantages:**
- Improved take-off and climb performance
- Dramatic noise reduction
- Longer TBO
- Improved appearance
- Latest hub design and “blended airfoil”, Scimitar blades
Basic Kit:
Part Number: F3R00601STP
1 3-Bladed Propeller: HC-F3YR-1ARF/F8068
1 Polished Spinner: D-4578-1P
1 STC Document Set: SA03162CH

Kit with Electric de-ice:
Part Number: F3R00651STP
1 3-Bladed Propeller: HC-F3YR-1ARF/F8068K
1 Polished Spinner: D-4578-1P
1 Airframe de-ice kit: 104522
1 STC Document Set: SA03162CH
CESSNA T206H

Applicable Models: T206H

Specifications: 82 inch dia 3-bladed, Scimitar, aluminum, extended hub prop
Compatible De-ice (replaces 3 blade to 3 blade only)
2400 hour / 6 year TBO
86.0 pounds (propeller and spinner)
Diameter reduction allowable to 80 inches

Replaces: McCauley C432 79 inch diameter 3-bladed propeller
Diameter reduction allowable to 77.0 inches
2400 hour / 6 year TBO

Advantages:
Improved climb performance - + 10% (60 fpm) over 79" McCauley
at maximum gross weight.
Better cruise performance than 79" McCauley (1-4 knots delta
improves with altitude).
Noise – 81.2 dB(a) measured per FAR 36, Appendix G.
Compatible De-ice
Cessna 207, 207A
With IO-520-F engine

Basic Kit: (78” diameter)
Part Number: C3F00052STP
1 3-Bladed Propeller: HC-C3YF-1RF/F8468A-8R
1 Polished Spinner: A-2295-1P
1 STC Document Set: SA696AL

Basic Kit: (80” diameter)
Part Number: C3F00119STP*1
1 3-Bladed Propeller: PHC-C3YF-1RF/F8468A-6R
1 Polished Spinner: A-2295-1P
1 STC Document Set: SA696AL

Aircraft Serial and registration numbers required when ordering
All Prices FOB Hartzell Propeller Inc.
Prices do not include Ohio State Sales Tax
Installation and Dynamic Balancing available at an additional charge

Telephone: (937) 778-5726 Option 2 / (800) 942-7767 Option 2
Internet: www.hartzellprop.com
Fax: (937) 778-4215
Email: topprop@hartzellprop.com
CESSNA 207 SERIES

Applicable Models: 207, 207A

Specifications:
- 78 or 80 inch diameter 3-bladed aluminum hub propeller
- 2400 hour / 6 year TBO
- 76 pounds (propeller and spinner)
- Diameter reduction allowable to 77 inches

Replaces:
- McCauley C58, C78 - 82 inch diameter 2-bladed prop
- Diameter reduction allowable to 80 inches
- Oil fill requirement per AD 91-15-04
- 1200 - 1500 hours/5 year TBO
- McCauley C79 - 80 inch diameter 3-bladed prop
- Diameter reduction allowable to 78 inches
- 1200 hours/5 year TBO
- McCauley C90 - 80 inch diameter 3-bladed prop
- Diameter reduction allowable to 78 inches
- 1200 - 1500 hour/5 year TBO

Advantages:

vs. McCauley C58, C78 2-bladed model
- Better take-off and climb performance
- Longer TBO
- Dramatically lower noise
- Less blade tip erosion
- Current design, Mc threaded design obsolete

vs. McCauley C79 3-bladed model
- Longer TBO
- Dramatically lower noise
- Less blade tip erosion
- Current design, Mc threaded design obsolete

vs. McCauley C90 3-bladed model
- Faster cruise speed
- Lower noise
- Longer TBO
- Less blade tip erosion
- Greater repair allowance
- Current design, Mc threaded design obsolete
Cessna T207, T207A
With TSIO-520-G, -M engine

Basic Kit: (80" diameter)
Part Number: C3F00139STP
1 3-Bladed Propeller: PHC-C3YF-1RF/F8468A-6R
1 Polished Spinner: A-2295-1P
1 STC Document Set: SA696AL
CESSNA T207 SERIES

Applicable Models: T207, T207A

Specifications:
- 80 inch diameter 3-bladed aluminum hub propeller
- 2400 hour / 6 year TBO
- 79 pounds (propeller and spinner)
- Diameter reduction allowable to 78 inches

Replaces:
- (T207) McCauley C78 - 81.5 inch diameter 2-bladed prop
  - Diameter reduction allowable to 80.5 inches
  - Oil fill requirement per AD 91-15-04
  - 1200 - 1500 hour / 5 year TBO
- (T207) McCauley C90 - 80 inch diameter 3-bladed prop
  - Diameter reduction allowable to 79 inches
  - 1200 - 1500 hour / 5 year TBO
- (T207A) McCauley C401 - 80 inch diameter 3-bladed prop
  - Diameter reduction allowable to 78.5 inches
  - 2000 hour / 6 year TBO

Advantages:
- vs. McCauley C78 2-bladed model
  - Better take-off and climb performance
  - Longer TBO
  - Lower noise
  - Less blade tip erosion
  - Current design, Mc threaded design obsolete
- vs. McCauley C90 3-bladed model
  - Longer TBO
  - Greater repair allowance
  - Current design, Mc threaded design obsolete
- vs. McCauley C401 3-bladed model
  - Longer TBO
  - Greater repair allowance
Cessna T207, T207A with TSIO-520-G, -M engine

Basic Kit:
- **Part Number:** C3F07102STP
- **1 3-Bladed Propeller:** HC-C3YF-1RF/F8068
- **1 Polished Spinner:** A-2295-1P
- **1 STC Document Set:** SA02821CH

Aircraft Serial and registration numbers required when ordering

All Prices FOB Hartzell Propeller Inc.
Prices do not include Ohio State Sales Tax
Installation and Dynamic Balancing available at an additional charge
CESSNA T207 (TSIO-520 powered)

**Applicable Models:** T207, T207A (TSIO-520-G, -M)

**Specifications:**
- 82 inch dia 3-bladed, **scimitar**, aluminum hub prop
- 2400 hour / 6 year TBO
- 82 pounds (propeller and spinner)
- Diameter reduction allowable to 78 inches

**Replaces:**
- McCauley C78 – 81.5 inch diameter 2-bladed prop
- Diameter reduction allowable to 80.5 inches
- Oil fill requirement per AD 91-15-04
- 1200-1500 hour / 5 year TBO

- McCauley C401 80 inch diameter 3-bladed prop
- Diameter reduction allowable to 78.5 inches
- 2400 hour / 6 year TBO

**Advantages:**
- Improved take-off and climb performance
- Dramatic noise reduction
- Longer TBO
- Improved appearance
- Latest hub design and “blended airfoil”, Scimitar blades
Cessna 207, 207A with IO-520-F engine

Basic Kit:

- **Part Number:** C3F07550STP
- **3-Bladed Propeller:** HC-C3YF-1RF/F8068-2
- **Polished Spinner:** A-2295-1P
- **STC Document Set:** SA02821CH

Aircraft Serial and registration numbers required when ordering

All Prices FOB Hartzell Propeller Inc.

Prices do not include Ohio State Sales Tax

Installation and Dynamic Balancing available at an additional charge

Telephone: (937) 778-5726 Option 2 / (800) 942-7767 Option 2
Internet: www.hartzellprop.com
Fax: (937) 778-4215
Email: topprop@hartzellprop.com
CESSNA 207 (IO-520 powered)

Applicable Models: 207, 207A (IO-520-F)

Specifications: 80 inch dia 3-bladed, scimitar, aluminum hub prop
2400 hour / 6 year TBO
82 pounds (propeller and spinner)
Diameter reduction allowable to 78 inches

Replaces:
McCauley C58 – 82 inch diameter 2-bladed prop
Oil fill requirement per AD 91-15-04
1200-1500 hour / 5 year TBO

McCauley C90 80 inch diameter 3-bladed prop
Diameter reduction allowable to 78.5 inches
2000 hour / 6 year TBO

McCauley C404 80 inch diameter 3-bladed prop
Diameter reduction allowable to 78.5 inches
2400 hour / 6 year TBO

Advantages:
Improved take-off and climb performance
Dramatic noise reduction
Longer TBO
Improved appearance
Latest hub design and "blended airfoil", Scimitar blades
Cessna 208, 208A, 208B Caravan With PT6A-114, -114A engine

3 Bladed Propeller STC Kit:
(Includes: Propeller, Spinner, and STC Documents)

$26,900
($29,400 electric de-ice)
($30,000 with electric de-ice, w/o start locks replace Mc)
($29,400 with start locks)
($31,400 with electric de-ice and start locks)
($32,000 with electric de-ice and start locks, replace Mc)
($32,000 with anti-ice)
($34,500 with anti-ice and start locks)

(Note: Please see reverse for photograph of propeller)

Kit with no anti/de-icing
Part Number: B3N00120STP
1 3-Bladed Propeller: HC-B3TN-3AF/T10890CN-2
1 Polished Spinner: D-4897-P

Kit with Electric De-ice: (w/o start-locks)
Part Number: B3N00119STP
1 3-Bladed Propeller: HC-B3TN-3AF/T10890CNK-2
1 Polished Spinner: D-4897-P
1 Electric De-ice kit (prop): 7931-5E2715-1
1 Electric De-ice kit (airframe): 7931-5E2715-3

Kit with Electric De-ice: (w/o start-locks, replacing a McCauley)
Part Number: B3N00119STP1
1 3-Bladed Propeller: HC-B3TN-3AF/T10890CNK-2
1 Polished Spinner: D-4897-P
1 Electric De-ice kit (prop): 7931-5E2715-1
1 Electric De-ice kit (airframe): 7931-5E2715-3

Basic Kit: (w/start-locks)
Part Number: B3N10010STP
1 3-Bladed Propeller: HC-B3TN-3AFY/T10890CN-2
1 Polished Spinner: D-4897-P

Kit with Electric De-ice: (w/start-locks)
Part Number: B3N10020STP
1 3-Bladed Propeller: HC-B3TN-3AFY/T10890CNK-2
1 Polished Spinner: D-4897-P
1 Electric De-ice kit (prop): 7931-5E2715-1
1 Electric De-ice kit (airframe): 7931-5E2715-3

Kit with Electric De-ice: (w/ start-locks, replacing a McCauley)
Part Number: B3N10020STP1
1 3-Bladed Propeller: HC-B3TN-3AFY/T10890CNK-2
1 Polished Spinner: D-4897-P
1 Electric De-ice kit (prop): 7931-5E2715-1
1 Electric De-ice kit (airframe): 7931-5E2715-3

Kit with Fluid Anti-ice:
Part Number: B3N21700STP
1 3-Bladed Propeller: HC-B3TN-3AF/T10890CNB-2
1 Polished Spinner: D-4897-2P
1 Anti-ice kit (prop): 105014

Kit with Fluid Anti-ice: (w/ start-locks)
Part Number: B3N21750STP
1 3-Bladed Propeller: HC-B3TN-3AFY/T10890CNB-2
1 Polished Spinner: D-4897-2P
1 Anti-ice kit (prop): 105014

ALL KITS INCULDE STC DOCUMENT SET: SA02181AK
CESSNA CARAVAN

Applicable Models: 208, 208A, 208B

Specifications:
- 106 inch diameter 3-bladed, steel hub propeller
  Diameter reduction allowable to 104 inches
  Weight of propeller = 146.7 lbs.
  Spinner = 9.0 lbs.
  De-ice = 2.8 lbs.
  3000 hour / 5 year TBO

Replaces:
- McCauley C703 - 106 inch diameter 3-bladed prop
  Diameter reduction allowable to 104 inches
  Weight of propeller = 117.0 lbs.
  Spinner =
  De-ice =
  4000 hour / 6 year TBO

- Hartzell HC-B3MN - 100 inch diameter 3-bladed composite prop
  No diameter reduction allowable
  Weight of propeller = 134.7 lbs.
  Spinner = 9.0 lbs.
  De-ice = 2.8 lbs.
  3000 hour / 5 year TBO

Advantages:
- Climb and cruise performance are as good as or slightly better than the McCauley C703 (+25 ft/min, +3kts measured)
- Take off distance, unchanged
- Greatest blade repair allowance available for the Caravan
- Optional start-locks improve handling for float planes
- Both electric de-ice and fluid anti-ice kits maintain Flight Into Known Icing (FIKI)

Notes:
- Approved for landplane & seaplane
- Anti-ice kit compatible with TKS ice protection system
- Common electrical hardware not included in the de-ice kit
Cessna 208, 208A, 208B Caravan EX
With PT6A-140 engine

Kit with no anti-icing
Part Number: B3N21050STP
1 3-Bladed Propeller: HC-B3TN-3AF/T10890CN-2
1 Polished Spinner: D-4897-P

Kit with Fluid Anti-ice:
Part Number: B3N21100STP
1 3-Bladed Propeller: HC-B3TN-3AF/T10890CNB-2
1 Polished Spinner: D-4897-1P
1 Anti-ice kit (prop): 105014

Aircraft Serial and registration numbers required when ordering
All Prices FOB Hartzell Propeller Inc.
Prices do not include Ohio State Sales Tax
Installation and Dynamic Balancing available at an additional charge

Telephone: (937) 778-5726 Option 2 / (800) 942-7767 Option 2
Internet: www.hartzellprop.com
Fax: (937) 778-4215
Email: topprop@hartzellprop.com
CESSNA 208B CARAVAN EX

Applicable Models: 208B s/n 208B2197 and 208B5000 and later.

Specifications: 106 inch diameter 3-bladed, steel hub propeller
Diameter reduction allowable to 104 inches
Weight of propeller = 146.7 lbs.
Spinner = 9.0 lbs.
Anti-ice = 2.6 lbs.
3000 hour / 5 year TBO

Advantages: Original equipment on Caravan EX.
Prop TC validated in all countries where Caravan EX is approved.

Notes: - Approved for landplane & seaplane
- Anti-ice kit compatible with factory TKS ice protection system.
Cessna 210 – 210C, 205, 205A
With IO-470-E, -S engine

Basic Kit:

Part Number: C2F00355STP
1 2-Bladed Propeller: HC-C2YF-1BF/F8468A-2
1 Polished Spinner: C-3568-P
1 STC Document Set: SA02246CH-D

Aircraft Serial and registration numbers required when ordering
All Prices FOB Hartzell Propeller Inc.
Prices do not include Ohio State Sales Tax
Installation and Dynamic Balancing available at an additional charge

Telephone: (937) 778-5726 Option 2 / (800) 942-7767 Option 2
Internet: www.hartzellprop.com
Fax: (937) 778-4215
Email: topprop@hartzellprop.com
CESSNA 210


Note: Governor change may be necessary on some airplanes.

Specifications: 82 inch diameter 2-bladed, aluminum hub
2400 hour / 6 year TBO
60.5 pounds (propeller and spinner)
Diameter reduction allowable to 80 inches

Replaces:

Hartzell HC-A2XF-1/8433-2 82 inch steel hub propeller
Diameter reduction allowable to 80 inches
1000 hr. / 5 year TBO
68 pounds (propeller and spinner)
Subject to A.D. 97-18-02 Rev. 1

McCaulley C58/C49/C33 82 inch diameter 2-bladed propeller
Diameter reduction allowable to 80 inches
1200-1500 hours / 5 year TBO
65/61.5 pounds (propeller and spinner)
Subject to AD 63-08-04 and/or 64-24-04

Advantages:

Current design
Longer TBO
No expensive or repetitive airworthiness directives
Very reasonably priced
Improved appearance
Cessna 210 thru 210C, 210-5, and 210-5A with IO-470-E or -S engine

Basic Kit:
- Part Number: C3F01901STP
- 1 3-Bladed Propeller: PHC-C3YF-1RF/F8068
- 1 Polished Spinner: A-2295-1P
- 1 STC Document Set: SA02821CH

Aircraft Serial and registration numbers required when ordering
All Prices FOB Hartzell Propeller Inc.
Prices do not include Ohio State Sales Tax
Installation and Dynamic Balancing available at an additional charge

Telephone: (937) 778-5726 Option 2 / (800) 942-7767 Option 2
Internet: www.hartzellprop.com
Fax: (937) 778-4215
Email: topprop@hartzellprop.com
CESSNA 210 (IO-470 powered)

**Applicable Models:** 210 thru 210C, 210-5, and 210-5A (IO-470-E, -S)

**Specifications:**
- 82 inch dia 3-bladed, **scimitar**, aluminum hub prop
- 2400 hour / 6 year TBO
- 82 pounds (propeller and spinner)
- Diameter reduction allowable to 78 inches

**Replaces:**
- McCauley C33/C34/C58/C49 – 82 inch diameter
  - 2- bladed propeller
  - Diameter reduction allowable to 80.0 inches
  - 1200-1500 hours/5 year TBO
  - Oil fill requirement per AD 91-15-04

- McCauley C435 – 80 inch diameter
  - 3- bladed propeller
  - Diameter reduction allowable to 78.0 inches
  - 2400 hours/6 year TBO

**Advantages:**
- Improved take-off and climb performance
- Dramatic noise reduction
- Longer TBO
- Improved appearance
- Latest hub design and “blended airfoil”, Scimitar blades
Cessna 210D with IO-520-A engine

Basic Kit:
- Part Number: C3F07100STP
- 1 3-Bladed Propeller: HC-C3YF-1RF/F8068
- 1 Polished Spinner: A-2295-1P
- 1 STC Document Set: SA02821CH

Aircraft Serial and registration numbers required when ordering
All Prices FOB Hartzell Propeller Inc.
Prices do not include Ohio State Sales Tax
Installation and Dynamic Balancing available at an additional charge

Telephone: (937) 778-5726 Option 2 / (800) 942-7767 Option 2
Fax: (937) 778-4215
Email: topprop@hartzellprop.com
CESSNA 210D

Applicable Models: 210D (IO-520-A)

Specifications: 82 inch dia 3-bladed, scimitar, aluminum hub prop
2400 hour / 6 year TBO
82 pounds (propeller and spinner)
Diameter reduction allowable to 78 inches

Replaces:
McCauley C58 – 82 inch diameter
2-bladed propeller
Diameter reduction allowable to 80.0 inches
1200-1500 hours/5 year TBO
Oil fill requirement per AD 91-15-04

McCabe C230 – 82 inch diameter
2 bladed propeller
Diameter reduction allowable to 80.0 inches
2400 hours/6 year TBO

Advantages:
Improved take-off and climb performance
Dramatic noise reduction
Longer TBO
Improved appearance
Latest hub design and “blended airfoil”, Scimitar blades
Cessna 210F-N & T210F-L
With IO-520-A,J,L or TSIO-520-C,H engines

Basic Kit:
Part Number: J3F00020STP
1 3-Bladed Propeller: PHC-J3YF-1RF/F7691
1 Polished Spinner: C-4582-P
1 STC Document Set: SA00773AT

Aircraft Serial and registration numbers required when ordering
All Prices FOB Hartzell Propeller Inc.
Prices do not include Ohio State Sales Tax
Installation and Dynamic Balancing available at an additional charge

Telephone: (937) 778-5726 Option 2 / (800) 942-7767 Option 2
Internet: www.hartzellprop.com
Fax: (937) 778-4215
Email: topprop@hartzellprop.com
CESSNA 210

**Applicable Models:**
  (NO 0-470 engines)
*Note: The original STC was for the 210K, L, M & N models (IO-520-L only), STC was amended in late 2009.
**Note: A newer, blended airfoil scimitar propeller is also available for some of these models.*

**Specifications:**
- 78 inch dia 3-bladed, scimitar, aluminum, extended hub prop
- 2400 hour / 6 year TBO
- 77.3 pounds (propeller and spinner)
- Diameter reduction allowable to 77 inches
- Placard - “Do not exceed 20 inch of manifold pressure below 2200 RPM.”

**Replaces:**
- McCauley C70/73 – 82/83 inch diameter 2-bladed propeller
  Diameter reduction allowable to 80 inches
  1200-1500 hours/5 year TBO
  Oil fill requirement per AD 91-15-04
- McCauley C77/88 - 80 inch diameter 3-bladed propeller
  Diameter reduction allowable to 78 inches
  1200-1500 hours/5 year TBO
- McCauley C404 - 82 inch diameter 3-bladed propeller
  Diameter reduction allowable to 78.5 inches
  1700 hours/5 year TBO

**Advantages:**
- Better take-off and climb performance
- Same or slightly better cruise performance
- Longer TBO
- Dramatically lower noise
- Improved appearance
- Less blade tip erosion
- Current design

Basic Kit:
  Part Number: J3F00552STP
  1 3-Bladed Propeller: HC-J3YF-1RF/F8068
  1 Polished Spinner: C-4582-1P
  1 STC Document Set: SA02821CH

Kit with Electric de-ice (28 volt system only):
  Part Number: J3F00601STP or J3F00601STP*1
  1 3-Bladed Propeller: HC-J3YF-1RF/F8068B
  1 Polished Spinner: C-4582-1P
  1 Propeller de-ice kit: 103262
  1 Airframe de-ice kit: 103307 or 103308
  1 STC Document Set: SA02821CH

Aircraft Serial and registration numbers required when ordering
All Prices FOB Hartzell Propeller Inc.
Prices do not include Ohio State Sales Tax
Installation and Dynamic Balancing available at an additional charge

Telephone: (937) 778-5726 Option 2 / (800) 942-7767 Option 2
Internet: www.hartzellprop.com
Fax: (937) 778-4215
Email: topprop@hartzellprop.com
CESSNA 210, T210

**Applicable Models:** 210E-J (IO-520-A, -J engine), T210F-K, T210L (TSIO-520-C, -H engine)

*De-ice note: 28volt 3 blade to 3 blade electric de-ice system only. Aircraft must have been previously equipped with de-ice. Electric de-ice kit eligible on model T210L only.

Aircraft s/n 21059503 through 21061141 require a 103307 airframe kit which includes new slip ring, modular brush block assy, etc. Aircraft s/n 21061142 through 21061573 requires a 103308 airframe kit which utilizes all major components of the aircraft’s original propeller de-ice system. A J3F00601STP*1 kit should be ordered for the earlier serial number range.

**Specifications:**
- 82 inch dia 3-bladed, scimitar, aluminum, extended hub prop
- 2400 hour / 6 year TBO
- 84.75 pounds (propeller and spinner)
- Diameter reduction allowable to 78 inches

**Replaces:**
- McCauley C70/C73 – 82/83 inch diameter 2-bladed propeller
  - Diameter reduction allowable to 80 inches
  - 1200-1500 hours/5 year TBO
  - Oil fill requirement per AD 91-15-04

- McCauley C77/C88 - 80 inch diameter 3-bladed propeller
  - Diameter reduction allowable to 78 inches
  - 1200-1500 hours/5 year TBO

**Advantages:**
- Better take-off and climb performance
- Better cruise performance
- Noise reduction
- Longer TBO
- Improved appearance
- Current design
Basic Kit:

Part Number: J3F00501STP
1 3-Bladed Propeller: HC-J3YF-1RF/F8068-2
1 Polished Spinner: C-4582-1P
1 STC Document Set: SA02821CH

Kit with Electric de-ice (28 volt system only):

Part Number: J3F00650STP or J3F00650STP*1
1 3-Bladed Propeller: HC-J3YF-1RF/F8068B-2
1 Polished Spinner: C-4582-1P
1 Propeller de-ice kit: 103262
1 Airframe de-ice kit: 103307 or 103308
1 STC Document Set: SA02821CH

Aircraft Serial and registration numbers required when ordering
All Prices FOB Hartzell Propeller Inc.
Prices do not include Ohio State Sales Tax
Installation and Dynamic Balancing available at an additional charge.
CESSNA 210K, 210L, 210M, 210N

Applicable Models: 210K through 210N (IO-520-L engine)

*De-ice note: 28volt 3 blade to 3 blade electric de-ice system only. Aircraft must have been previously equipped with de-ice. Electric de-ice kit eligible on model 210L and later.

Aircraft s/n 21059503 through 21061141 require a 103307 airframe kit which includes new slip ring, modular brush block assy, etc. Aircraft s/n 21061142 and after require a 103308 airframe kit which utilizes all major components of the aircraft’s original propeller de-ice system.

Specifications: 80 inch dia 3-bladed, scimitar, aluminum, extended hub prop
2400 hour / 6 year TBO
84.75 pounds (propeller and spinner)
Diameter reduction allowable to 78 inches

Replaces:
McCauley C73/203  82 inch diameter 2-bladed propeller
Diameter reduction allowable to 80 inches
1200-1500 hours/5 year TBO or
2400 hours / 6 years
Oil fill requirement per AD 91-15-04

McCauley C88/C404 - 80 inch diameter 3-bladed propeller
Diameter reduction allowable to 78.5 inches
1200-1500 hours/5 year TBO or
2400 hours / 6 years

Advantages:
Better take-off and climb performance
Better cruise performance
Noise reduction
Longer TBO
Improved appearance
Current design
Cessna T210M, T210N, & P210N
TSIO-520-R, P, AF

Basic Kit:
Part Number: J3F00551STP
1 3-Bladed Propeller: HC-J3YF-1RF/F8068
1 Polished Spinner: C-4582-1P
1 STC Document Set: SA02821CH

Kit with Electric de-ice:
Part Number: J3F00602STP
1 3-Bladed Propeller: HC-J3YF-1RF/F8068B
1 Polished Spinner: C-4582-1P
1 Propeller de-ice kit: 103262
1 Airframe de-ice kit: 103308
1 STC Document Set: SA02821CH

Aircraft Serial and registration numbers required when ordering
All Prices FOB Hartzell Propeller Inc.
Prices do not include Ohio State Sales Tax
Installation and Dynamic Balancing available at an additional charge
CESSNA T210M, T210N, P210N

Applicable Models: T210M, T210N, and P210N

Specifications:
- 82 inch dia 3-bladed, scimitar, aluminum, extended hub prop
- 2400 hour / 6 year TBO
- 84.75 pounds (propeller and spinner)
- Diameter reduction allowable to 78 inches

Replaces:
- McCauley 402 – 80 inch diameter 3-bladed propeller
  - Diameter reduction allowable to 78.5 inches
  - 1200-1500 hours/5 year TBO
- McCauley C88 - 80 inch diameter 3-bladed propeller
  - Diameter reduction allowable to 78.5 inches
  - 1200-1500 hours/5 year TBO

Advantages:
- Better T.O and climb performance - 4% decrease in time to climb 23K
- Better cruise performance than C402 (1 - 3 knots)
- Noise reduction
- Longer TBO
- Improved appearance
- Current design
Cessna 310, 310A, B, C, D, E, F, G, H, E310H
With O-470-M, IO-470-D engine

Basic Kit: 310, 310A, 310B
Part Number: C2F00416STP
2 2-Bladed Propellers: HC-C2YF-2CUF/FC8468-3
2 Polished Spinners: C-2285-4P
1 STC Document Set: SA00799CH

Basic Kit: 310(C-H), E310H
Part Number: C2F00418STP
2 2-Bladed Propellers: HC-C2YF-2CUF/FC8468-3
2 Polished Spinners: C-2285-4P
1 STC Document Set: SA00799CH

Kit with Alcohol Anti-ice: 310, 310A, 310B
Part Number: C2F00417STP
2 2-Bladed Propellers: HC-C2YF-2CUF/FC8468B-3
2 Polished Spinners: C-2285-4P
1 Alcohol Anti-ice kit: A-2374-1
1 STC Document Set: SA00799CH

Kit with Alcohol Anti-ice: 310(C-H), E310H
Part Number: C2F00419STP
2 2-Bladed Propellers: HC-C2YF-2CUF/FC8468B-3
2 Polished Spinners: C-2285-4P
1 Alcohol Anti-ice kit: A-2374-1
1 STC Document Set: SA00799CH

Aircraft Serial and registration numbers required when ordering
All Prices FOB Hartzell Propeller Inc.
Prices do not include Ohio State Sales Tax
Installation and Dynamic Balancing available at an additional charge

Telephone: (937) 778-5726 Option 2 / (800) 942-7767 Option 2
Internet: www.hartzellprop.com
Fax: (937) 778-4215
Email=topprop@hartzellprop.com
CESSNA 310

**Applicable Models:** 310, 310A, 310B, 310C, 310D, 310E, 310F, 310G, 310H, E310H

* Note: STC does not cover the C310 with the O-470-B engines

**Specifications:** 81 inch diameter 2-bladed, aluminum hub propeller
2400 hour / 6 year TBO
Diameter reduction allowable to 80 inches
68 pounds each (propeller and spinner)
Placard - "Do not exceed 20 inches of manifold pressure between 2100 and 2250 rpm".

**Replaces:**
Hartzell HC-82XF-2 or HC-A2XF-2 - 84 to 78 inch diameter 2-bladed steel hub propellers
Diameter reduction allowable to 78 inches
72 pounds each (propeller and spinner)
Blade retention system inspection AD 97-18-02
1000 hour / 5 year TBO

McCauley C48 - 80 inch diameter 2-bladed propeller
Diameter reduction allowable to 78 inches
72 pounds each (propeller & spinner)
1200 hour / 5 year TBO

**Advantages:**
Aircraft empty weight decreases by 8 pounds
Eliminates AD 97-18-02
Current production design
Cessna 310I, 310P, T310P, 310Q, T310Q, 310R, T310R
With O-470, IO-470, IO-520, TSIO-520 engine

Basic Kit:
Part Number: C3F00195STP
2 3-Bladed Propellers: PHC-C3YF-2UF/FC7663D-2R
2 Polished Spinners: C-4558-2P
1 STC Document Set: SA234CH

Kit with Electric De-ice: (TSIO/IO-520 engine)
Part Number: C3F00198STP
2 3-Bladed Propellers: PHC-C3YF-2UF/FC7663DB-2R
2 Polished Spinners: C-4558-2P
1 Electric De-ice kit (airframe): 7931-65-600-2
1 STC Document Set: SA234CH

Kit with Electric De-ice: (IO-470 engine)
Part Number: C3F00198STP*1
2 3-Bladed Propellers: PHC-C3YF-2UF/FC7663DB-2R
2 Polished Spinners: C-4558-2P
1 Electric De-ice kit (airframe): 7931-65-600-5
1 STC Document Set: SA234CH

__________________________________________________________________________________________________
Aircraft Serial and registration numbers required when ordering
All Prices FOB Hartzell Propeller Inc.
Prices do not include Ohio State Sales Tax
Installation and Dynamic Balancing available at an additional charge

Telephone: (937) 778-5726 Option 2 / (800) 942-7767 Option 2
Internet: www.hartzellprop.com
Fax: (937) 778-4215
Email: topprop@hartzellprop.com
CESSNA 310

**Applicable Models:** 310I, 310P, T310P, 310Q, T310Q, 310R, T310R

**Specifications:**
- 76 inch dia. 3-bladed, aluminum hub prop
- Diameter reduction allowable to 74 inches
- 2400 hour / 6 year TBO
- 88.6 pounds each (propeller and spinner)

**Replaces:**
- McCauley C52, C71 - 81 inch diameter 2-bladed prop
  - Diameter reduction allowable to 79 inches
  - 66 pounds each (propeller & spinner)
  - 1200 hour / 5 year TBO
- McCauley C87, C504 - 78 inch diameter 3-bladed prop
  - Diameter reduction allowable to 74 inches
  - 83 pounds each (propeller & spinner)
  - 1200-1500 hour (C504 1600 hours) / 5 year TBO

**Advantages:**
- vs. 2-bladed props
  - Longer TBO
  - Lower noise
  - Improved appearance
  - Improved ground clearance, less blade tip erosion
  - Smoother overall operation
- vs. 3-bladed props
  - Eliminates McCauley C87 inspection requirements
  - Longer TBO
  - Improved ground clearance, less blade tip erosion
Cessna T310-P, -Q, -R, 320-D, -E, -F, 340(A), 402C, 414(A)
With TSIO-520 engines (285 – 350 hp)

Basic Kit:
Part Number: C3F00260STP
2 3-Bladed Propellers: PHC-C3YF-2UF/FC7693DF
2 Polished Spinners: D-7267-2P
1 STC Document Set: SA09971SC-D

Kit with Electric De-ice:
Part Number: C3F00270STP
2 3-Bladed Propellers: PHC-C3YF-2UF/FC7693DFB
2 Polished Spinners: D-7267-2P
1 STC Document Set: SASA09971SC-D

Aircraft Serial and registration numbers required when ordering
All Prices FOB Hartzell Propeller Inc.
Prices do not include Ohio State Sales Tax
Installation and Dynamic Balancing available at an additional charge

Telephone: (937) 778-5726 Option 2 / (800) 942-7767 Option 2
Internet: www.hartzellprop.com
Fax: (937) 778-4215
Email: topprop@hartzellprop.com
Twin Cessna


Specifications: 78 inch dia. 3-bladed, aluminum hub prop
Diameter reduction allowable to 76 inches
2400 hour / 6 year TBO
87.5 pounds each (propeller and spinner)

Engine: Continental TSIO-520 series;

Eligible Aircraft:
   T310-P, -Q, -R RAM STC 300 hp E/EB
2. 320-D, -E, -F Standard Aircraft 285 hp B/BB
   320-D, -E, -F RAM STC 300 hp E/EB
3. 340 Std. Aircraft/ Std. GW 285 hp K/KB
   @ Std. GW 310 hp J/JB
   @ Std. GW 310 hp N/NB
4. 340/340A GWI, Series III or IV 325 hp NB
   340/340A GWI, Series IV 335 hp NB
   340/340A GWI, Series VII 335 hp NB
5. 402C GWI 325 hp VB
6. 414 GWI, Series III or IV 325 hp NB
   GWI, VG, Series IV 335 hp NB
   GWI, VG, Series VII 335 hp NB
7. 414A GWI, VG 310 hp NB
   GWI, VG, Winglets 310 hp NB
   GWI, VG, Series II 310 hp NB
   GWI, VG, Winglets, Series II 310 hp NB
   GWI, VG, Series III or IV 325 hp NB
   GWI, VG, Winglets, Srs.III or IV 325 hp NB
   GWI, VG, Series VII 335 hp NB
   GWI, VG, Winglets, Srs.VII 335 hp NB

Note 1: All STC’ed mods listed above are owned and distributed by RAM Aircraft of Waco, TX.
Note 2: All aircraft with R/STOL modification are NOT eligible.
Note 3: Cessna T310-P, Q, -R and 320 –D, -E, and -F are NOT eligible with 310/325 hp TSIO -520-NB engines.
Note 4: All Cessna model 335 and 340/340A with GWI and Series II mods are NOT eligible.
Note 5: All standard Cessna 401/402 including the standard 402C aircraft are NOT eligible.
Note 6: Cessna 414 s/n 1-800, and all standard 414 aircraft with TSIO-520-JB or –NB engines are NOT eligible.
Note 7: All standard Cessna model 414A aircraft with TSIO-520-NB engine (310 hp) are NOT eligible.

Replaces:
McCauley C71 - 81 inch diameter 2-bladed prop
Diameter reduction allowable to 79 inches
66 pounds each (propeller & spinner)
1200 hour / 5 year TBO

McCauley C72, C87, C504, C515, C528 - 78 inch diameter 3-blade
Diameter reduction allowable to 74 inches
87.5, 88, 75, 79, 81 pounds each (propeller & spinner)
1200-1500 hour (C504/C515 2000 hours) / 6 year TBO,
(C528 3000 hours/6 years)

Advantages:
Longer TBO
Lighter weight (402C)
Top Prop Warranty to first overhaul
Cessna 310J, E310J, 310J-1, 310K, 310L, 310N
With IO-470 engine

Basic Kit:
- **Part Number:** J3F00072STP
- 2 3-Bladed Propellers: PHC-J3YF-2UF/FC7663D-2R
- 2 Polished Spinners: C-4558-2P
- 1 STC Document Set: SA234CH

Kit with Electric De-ice:
- **Part Number:** J3F00075STP
- 2 3-Bladed Propellers: PHC-J3YF-2UF/FC7663DB-2R
- 2 Polished Spinners: C-4558-2P
- 1 Electric De-ice kit (airframe): 7931-65-600-5
- 1 STC Document Set: SA234CH

Aircraft Serial and registration numbers required when ordering
All Prices FOB Hartzell Propeller Inc.
Prices do not include Ohio State Sales Tax
Installation and Dynamic Balancing available at an additional charge
CESSNA 310

**Applicable Models:** 310J, E310J, 310J-1, 310K, 310L, 310N

**Specifications:** 76 inch dia. 3-bladed, aluminum, extended hub prop
Diameter reduction allowable to 74 inches
2400 hour / 6 year TBO
92 pounds each (propeller and spinner)

**Replaces:**
McCauley C65, C81 - 81 inch diameter 2-bladed prop
Diameter reduction allowable to 79 inches
66 pounds each (propeller & spinner)
1200-1500 hour / 5 year TBO

McCauley C80 - 78 inch diameter 3-bladed
Diameter reduction allowable to 74 inches
83 pounds each (propeller & spinner)
1200-1500 hour / 5 year TBO

**Advantages:**

vs. 2-bladed props
- Longer TBO
- Lower noise
- Improved appearance
- Improved ground clearance, less blade tip erosion
- Smoother overall operation

vs. 3-bladed props
- Longer TBO
- Improved ground clearance, less blade tip erosion
Cessna 421B, 421C
With GTSIO-520-H, -L, -N engines

Kit with Electric De-ice for 421B:
Part Number: C3D00050STP
2 3-Bladed Propellers: PHC-C3YD-2UF/FC9587DB-7
2 Polished Spinners: D-3273-4P
1 STC Document Set: SA10361SC

Kit with Electric De-ice for 421C:
Part Number: C3N00205STP
2 3-Bladed Propellers: PHC-C3YN-2UF/FC9587DB-7
2 Polished Spinners: D-3273-4P
1 STC Document Set: SA10185SC

Aircraft Serial and registration numbers required when ordering
All Prices FOB Hartzell Propeller Inc.
Prices do not include Ohio State Sales Tax
Installation and Dynamic Balancing available at an additional charge

Telephone: (937) 778-5726 Option 2 / (800) 942-7767 Option 2
Internet: www.hartzellprop.com
Fax: (937) 778-4215
Email: topprop@hartzellprop.com
Twin Cessna

**Applicable Models:** 421B, 421C

**Specifications:**
- 90 inch dia. 3-bladed, aluminum hub prop
- Diameter reduction allowable to 88 inches
- 2400 hour / 6 year TBO
- 92 pounds each (propeller and spinner)

**Replaces:**
- McCauley C92, C501, C516 - 90 inch diameter 3-bladed prop
- Diameter reduction allowable to 88 inches
- 88.5, 102.5, 91.9 pounds each (propeller & spinner)
- 1200 hour / 5 year TBO (C92), 2000 hours / 6 years (C501/C516)

**Advantages:**
- Longer TBO
- Top Prop Warranty to first overhaul
Cessna 441 Conquest II
With TPE331-8, -10N series engine

Basic Kit: (Replacing a Hartzell 3 blade or replacement of Hartzell 4 blade E4N00210STP kit)
Part Number: E4N00210STP
2 4-Bladed Propellers: HC-E4N-5A/E8501K
2 Polished Spinners: D-5319-P
1 Electric De-ice kit (prop): 7931-67-815-1 (Goodrich)
1 Electric De-ice kit (airframe): 7931-67-815-2 (Goodrich)
2 Prop Pitch Cams: 897602-1 (Garrett)
2 Seal Plugs: 3103328-1 (Garrett)
1 STC Document Set: SA00058AT

Basic Kit: (Replacing a McCauley 3 or 4 blade, or replacement of Hartzell 4 blade E4N00260STP kit)
Part Number: E4N00260STP
2 4-Bladed Propellers: HC-E4N-5B/E8501K
2 Polished Spinners: D-5319-P
1 Electric De-ice kit (prop): 7931-67-815-1 (Goodrich)
1 Electric De-ice kit (airframe): 7931-67-815-2 (Goodrich)
2 Prop Pitch Cams: 897602-1 (Garrett)
2 Seal Plugs: 3103328-1 (Garrett)
1 STC Document Set: SA00058AT

Aircraft Serial and registration numbers required when ordering
All Prices FOB Hartzell Propeller Inc.
Prices do not include Ohio State Sales Tax
Installation and Dynamic Balancing available at an additional charge
CESSNA CONQUEST II

**Applicable Models:** 441

**Specifications:**
- 86 inch dia. 4-bladed, aluminum hub prop
- Diameter reduction allowable to 85 inches
- 4000 hour / 6 year TBO
- 147.5 pounds each (propeller and spinner)

**Replaces:**
- Hartzell HC-B3TN-5/T10178B-11 - 90 inch dia. 3-bladed prop
- Diameter reduction allowable to 88.5 inches
- 139.7 pounds each (propeller & spinner)
- 3000 hour / 5 year TBO
- McCauley C601 - 90 inch diameter 3-bladed prop
- Diameter reduction allowable to 88.5 inches
- 125.5 pounds each (propeller & spinner)
- 3000 hour / 6 year TBO

**Advantages:**
- Dramatically lower noise
- Improved appearance
- Improved ground clearance, less blade tip erosion
- Smoother overall operation
- Better take-off and climb performance
- No beta tube change required

MCT (June 2013)

  Part Number: C2R10704STP
  1 2-Bladed Propeller: HC-C2YR-1BFP/F7497
  1 Composite Spinner (white): 103585(F1)
  1 STC Document Set: SA02414CH-D

Basic Kit: 200HP engine Models: M20E, M20F
  Part Number: C2R10703STP
  1 2-Bladed Propeller: HC-C2YR-1BFP/F7497
  1 Composite Spinner (white): 103585(F1)
  1 STC Document Set: SA02414CH-D

Basic Kit: 200HP engine Model: M20J
  Part Number: C2R10705STP
  1 2-Bladed Propeller: HC-C2YR-1BFP/F7497
  1 Polished Spinner: A-2295-5P
  1 Spinner Mounting Kit: A-2476-10
  1 STC Document Set: SA02414CH-D

Aircraft Serial and registration numbers required when ordering
All Prices FOB Hartzell Propeller Inc.
Prices do not include Ohio State Sales Tax
Installation and Dynamic Balancing available at an additional charge
Mooney M20A-J

Applicable Models: Mooney M20A-J
*Note: If cowling has been modified, a different spinner assembly may be needed, specific modification details are required to help ensure a correct fit.

Specifications: 74 inch diameter
2 bladed scimitar
Aluminum hub
2400 hour/6 year TBO
62-64 pounds each (propeller & spinner)
Diameter reduction allowable to 72.5 inches
Placard – “Avoid cont. ops. Above 24” manifold pressure between 2350 to 2550 rpm” (M20E, M20F only)

Replaces: Hartzell HC-C2YK-1BF/F7666A-2 - 74 in. dia. 2-bladed prop
Diameter reduction allowable to 72.5 inches
2000 hour / 5 year TBO
57 pounds (propeller and spinner)
Placard - “Avoid cont. ops. between 2100 and 2350 rpm.”
Hartzell HC-C2YK-1BF/F7666A-3Q - 73 in. dia. 2-bladed prop
Q-tip, no diameter reduction allowable
2000 hour / 5 year TBO
59 pounds (propeller & spinner)

Hartzell HC-C3YR-1RF/F7282 - 74 in. dia. 3-bladed prop
2400 hour / 6 year TBO
71 pounds (propeller and spinner)
Diameter reduction allowable to 73 inches
Placard - “Avoid cont. ops. below 15” between 1950 and 2350 rpm"

McCauley C53 - 74 inch diameter 2-bladed prop
Diameter reduction allowable to 72.5 inches
1200-1500 hour / 5 year TBO
52.3 pounds (propeller and spinner)

McCuley C212 or C214 - 74 inch diameter 2-bladed prop
Diameter reduction allowable to 73 inches
2000 hour / 6 year TBO
54.3 pounds (propeller and spinner)
Placard - “Avoid cont. ops. below 15” between 1500 and 1950 rpm.”

Advantages: Reduced Noise
Same or better climb performance
Improved cruise performance efficiency
Longest TBO
Current design
Attractive design
Mooney M20C, D, E, F, G
With O-360A1D, -A2D, IO-360A1A engine

Basic Kit: 180HP engine
Part Number: C3R00021STP*1
1 3-Bladed Propeller: HC-C3YR-1RF/F7282
1 Composite Spinner: 103629(F1) White OR 103629(F2) Silver
1 STC Document Set: SA4529NM

Basic Kit: 200HP engine
Part Number: C3R00920STP
1 3-Bladed Propeller: HC-C3YR-1RF/F7282
1 Composite Spinner: 103629(F1) White OR 103629(F2) Silver
1 STC Document Set: SA4529NM

__________________________________________________________________________________________________
Aircraft Serial and registration numbers required when ordering
All Prices FOB Hartzell Propeller Inc.
Prices do not include Ohio State Sales Tax
Installation and Dynamic Balancing available at an additional charge
MOONEY

**Applicable Models:** M20C, M20D, M20G (180 hp)
M20E, M20F (200 hp)

* Note: Not eligible to replace Mc fixed pitch prop on M20D
** Note: M20B not listed on STC, but field approval has been obtained.
***Note: Upon ordering, please advise if the aircraft has had a cowling modification.

**Specifications:**
- 74 inch diameter 3-bladed aluminum hub propeller
- 2400 hour / 6 year TBO
- 71 pounds (propeller and spinner)
- Diameter reduction allowable to 73 inches
- Placard - “Avoid cont. ops. below 15” btwn. 1950 and 2350 rpm”

**Replaces:**
- Hartzell HC-C2YK-1BF/F7666A-2 - 74 in. dia. 2-bladed prop
  Diameter reduction allowable to 72.5 inches
  2000 hour / 5 year TBO
  57 pounds (propeller and spinner)
  Placard - “Avoid cont. ops. between 2100 and 2350 rpm.”
- Hartzell HC-C2YK-1BF/F7666A-3Q - 73 in. dia. 2-bladed prop
  Q-tip, no diameter reduction allowable
  2000 hour / 5 year TBO
  59 pounds (propeller & spinner)
- McCauley C53 - 74 inch diameter 2-bladed prop
  Diameter reduction allowable to 72.5 inches
  1200-1500 hour / 5 year TBO
  52.3 pounds (propeller and spinner)
- McCauley C212 or C214 - 74 inch diameter 2-bladed prop
  Diameter reduction allowable to 73 inches
  2000 hour / 6 year TBO
  54.3 pounds (propeller and spinner)
  Placard - “Avoid cont. ops. below 15” btwn 1500 and 1950 rpm.”

**Advantages:**
- Better take-off and climb performance
- Longer TBO than McCauleys
- Dramatically lower noise
- Improved appearance
- Less restrictive placards
Mooney M20J (201/205)
With IO-360-A3B6(D), IO-360-A1B6D engines

Basic Kit:
Part Number: C3R00020STP
1 3-Bladed Propeller: HC-C3YR-1RF/F7282
1 Polished Spinner: A-2295-4P
1 Spinner Mounting Kit: A-2476-7
1 STC Document Set: SA4529NM

Aircraft Serial and registration numbers required when ordering
All Prices FOB Hartzell Propeller Inc.
Prices do not include Ohio State Sales Tax
Installation and Dynamic Balancing available at an additional charge
MOONEY

**Applicable Models:** M20J (200 hp)

**Specifications:**
- 74 inch diameter 3-bladed aluminum hub propeller
- 2400 hour / 6 year TBO
- 71 pounds (propeller and spinner)
- Diameter reduction allowable to 73 inches
- Placard - “Avoid cont. ops. below 15” btwn. 1950 and 2350 rpm”

**Replaces:**
- Hartzell HC-C2YK-1BF/F7666A-3Q - 73 in. dia. 2-bladed prop
  Q-tip, no diameter reduction allowable
  2000 hour / 5 year TBO
  59 pounds (propeller & spinner)

- McCauley C212 or C214 - 74 inch diameter 2-bladed prop
  Diameter reduction allowable to 73 inches
  2000 hour / 6 year TBO
  54.3 pounds (propeller and spinner)
  Placard - “Avoid cont. ops. below 15” btwn 1500 and 1950 rpm.”

**Advantages:**
- Better take-off and climb performance
- Longer TBO than McCauleys
- Lower noise
- Improved appearance
- Less restrictive placards
Mooney M20K (231/252)  
With all stock engines

Basic Kit:
Part Number: J3F00010STP
1 3-Bladed Propeller: PHC-J3YF-1RF/F7663A-2R
1 Polished Spinner: A-2295-1P
1 STC Document Set: SA1505GL

Kit with Electric De-ice: 12/14 Volt System
Part Number: J3F00047STP
1 3-Bladed Propeller: PHC-J3YF-1RF/F7663AK-2R
1 Polished Spinner: A-2295-2P
1 Electric De-Ice Kit (12/14 Volt System) (Prop): 7931-67-805-1
1 Electric De-Ice Kit (12/14 Volt System) (Airframe): 7931-67-805-2
1 STC Document Set: SA1505GL

Kit with Electric De-ice: 24/28 Volt System
Part Number: J3F00049STP
1 3-Bladed Propeller: PHC-J3YF-1RF/F7663AK-2R
1 Polished Spinner: A-2295-2P
1 Electric De-Ice Kit (24/28 Volt System) (Prop): 7931-67-750-1*1
1 Electric De-Ice Kit (24/28 Volt System) (Airframe): 7931-67-750-2
1 STC Document Set: SA1505GL

__________________________________________________________________________________________________
Aircraft Serial and registration numbers required when ordering
All Prices FOB Hartzell Propeller Inc.
Prices do not include Ohio State Sales Tax
Installation and Dynamic Balancing available at an additional charge

Telephone: (937) 778-5726 Option 2 / (800) 942-7767 Option 2
Internet: www.hartzellprop.com
Fax: (937) 778-4215
Email: topprop@hartzellprop.com
MOONEY

Applicable Models: M20K

Specifications:
- 76 inch diameter 3-bladed aluminum hub propeller
- 2400 hour / 6 year TBO
- 75 pounds (propeller and spinner)
- Diameter reduction allowable to 73 inches

Replaces:
- Hartzell BHC-J2YF-1BF/F8459A-11Q - 74 in. dia. 2-bladed prop
  Q-tip, no diameter reduction allowable
  2000 hour / 5 year TBO
  59.5 pounds (propeller and spinner)
- McCauley C216 - 74 inch diameter 2-bladed prop
  No diameter reduction allowed
  2000 hour / 6 year TBO
  60 pounds (propeller and spinner)

Advantages:
- Better take-off and climb performance
- Longer TBO than McCauley model
- Smoother operation
- Improved appearance
- Diameter reduction allowable in event of tip damage
Mooney M20R Ovation and Ovation II
(See reverse side for s/n information)
With all stock engines

Basic Kit:
- **Part Number:** J3F00056STP
- 1 3-Bladed Propeller: PHC-J3YF-1RF/F7693DF-2
- 1 Polished Spinner: A-2295-10P
- 1 STC Document Set: SA02004CH

Kit with Anti-ice boots only (when replacing a Hartzell 3-blade):
- **Part Number:** J3F09100STP
- 1 3-Bladed Propeller: PHC-J3YF-1RF/F7693DFB-2
- 1 Polished Spinner: A-2295-10P
- 1 STC Document Set: SA02004CH

Kit with complete Anti-Ice system (when replacing a McCauley 2 or 3 blade):
- **Part Number:** J3F09105STP
- 1 3-Bladed Propeller: PHC-J3YF-1RF/F7693DFB-2
- 1 Polished Spinner: A-2295-10P
- 1 STC Document Set: SA02004CH

Aircraft Serial and registration numbers required when ordering
All Prices FOB Hartzell Propeller Inc.
Prices do not include Ohio State Sales Tax
Installation and Dynamic Balancing available at an additional charge

Telephone: (937) 778-5726 Option 2 / (800) 942-7767 Option 2
Internet: www.hartzellprop.com
Fax: (937) 778-4215
Email: topprop@hartzellprop.com
MOONEY

Applicable Models:  M20R “Ovation” (S/N 29-0001 thru 29-0199, excluding 29-0183) and “Ovation II” (S/N 29-0183, 29-0200 and up)

The anti-ice kits are only to be used when anti-ice already exists.

Specifications:  76 inch diameter 3-bladed aluminum hub propeller
2400 hour / 6 year TBO
80 pounds (propeller and spinner)
Diameter reduction allowable to 75 inches

Replaces:  McCauley 3A32C418/82NRC-9 - 73 in. dia. 3-bladed prop
2000 hour / 6 year TBO
76.6 pounds (propeller and spinner)
McCabeley 2A34C241/82PGC-6 - 76 inch diameter 2-blade prop
2400 hour / 6 year TBO
65 pounds (propeller and spinner)

Advantages:  -Better take-off and climb performance compared to either McCauley option.
-Same-as or better cruise compared to either McCauley option at 65%+ power settings.
-Lower fly-over noise compared to 2-blade McCauley. Measured 78.67 dB(A) meets German, Swiss, and Austrian limits.
-7% increase in idle-power descent rate
-Longer TBO than McCauley Ovation 3-blade
-Improved appearance, Scimitar-style blade planform
-Diameter reduction allowable in event of tip damage

Basic Kit:
- **Part Number:** J3F07507STP
- 1 3-Bladed Propeller: PHC-J3YF-1RF/F7498( )
- 1 Polished Spinner: A-2295-10P
- 1 STC Document Set: SA03024CH

Kit with Anti-Ice:
- **Part Number:** J3F07550STP (Boots only)
- **Part Number:** J3F07551STP (Boots and 3 blade slinger kit)
- 1 3-Bladed Propeller: PHC-J3YF-1RF/F7498( )
- 1 Polished Spinner: A-2295-10P
- 1 STC Document Set: SA03024CH

Aircraft Serial and registration numbers required when ordering
All Prices FOB Hartzell Propeller Inc.
Prices do not include Ohio State Sales Tax
Installation and Dynamic Balancing available at an additional charge

Telephone: (937) 778-5300 Option 2 / (800) 942-7767 Option 2
Internet: [www.hartzellprop.com](http://www.hartzellprop.com)
Fax: (937) 778-4215
Email: topprop@hartzellprop.com
MOONEY

Applicable Models: M20R Ovation, Ovation II, Ovation III, M20S Eagle, and M20TN

Specifications: 76 inch diameter 3-bladed aluminum hub propeller
2400 hour / 6 year TBO
72.5 pounds (propeller and spinner)
Diameter reduction allowable to 74 inches

Replaces:
McCauley 2A32C23990MC-15- 75 in. dia. 2-bladed prop
2400 hour / 6 year TBO
56.0 pounds (propeller and spinner)

McCumley 3A32C41882NRC-9 - 73 in. dia. 3-bladed prop
2000 hour / 6 year TBO
76.6 pounds (propeller and spinner)

McCumley 2A34C241/82PGC-6 - 76 inch diameter 2-blade prop
2400 hour / 6 year TBO
68 pounds (propeller and spinner)

Hartzell PHC-J3YF-1RF/F7693DF( )-2 76" diameter prop
2400 hour / 6 year TBO
80 pounds (propeller and spinner)

Advantages:
-Better take-off and climb performance compared to either McCauley option.
-Same-as or better cruise compared to either McCauley
-7% decrease in glide distance (model R & S). Glide distance is unchanged for M20TN.
-Noise – No acoustic change.
-Improved appearance, Scimitar-style blade.
-Diameter reduction allowable in event of tip damage

3 Bladed ASCII Composite Propeller STC Kit:

Basic Kit:
- Part Number: J3F80800STP
- 1 3-Bladed Propeller: PHC-J3YF-1N/N7605C-2
- 1 Polished Spinner: A-2295-10P
- 1 STC Document Set: SA02482CH

Aircraft Serial and registration numbers required when ordering
All Prices FOB Hartzell Propeller Inc.
Prices do not include Ohio State Sales Tax
Installation and Dynamic Balancing available at an additional charge

Telephone: (937) 778-5300 Option 2 / (800) 942-7767 Option 2
Internet: www.hartzellprop.com
Fax: (937) 778-4215
Email: topprop@hartzellprop.com
MOONEY

**Applicable Models:** M20R Ovation, Ovation II, Ovation III, M20S Eagle, and M20TN

**Specifications:**
- 76 inch diameter 3-bladed aluminum hub, ASC II Composite blades
- 2400 hour / 6 year TBO
- 64 pounds (propeller and spinner)

Placard: Manifold Pressure limited to 34”. Do not operate above 30.5” below 2500 RPM.

**Replaces:**
- McCauley 2A32C239/90MC-15- 75 in. dia. 2-bladed prop
  - 2400 hour / 6 year TBO
  - 56.0 pounds (propeller and spinner)
- McCauley 3A32C418/82NRC-9 - 73 in. dia. 3-bladed prop
  - 2400 hour / 6 year TBO
  - 76.6 pounds (propeller and spinner)
- McCauley 2A34C241/82PGC-6 - 76 inch diameter 2-blade prop
  - 2000 hour / 6 year TBO
  - 68 pounds (propeller and spinner)
- Hartzell PHC-J3YF-1RF/F7693DF(-2) 76” diameter prop
  - 2400 hour / 6 year TBO
  - 80 pounds (propeller and spinner)

**Advantages:**
- Better take-off and climb performance compared to either McCauley option.
- Same-as or better cruise compared to either McCauley
- 7% decrease in glide distance (model R & S). Glide distance is unchanged for M20TN.
- Noise – No acoustic change.
- Light weight
- High durability and lowest life cycle cost.
Piper PA23, PA23-160 Apache
With O-320 engine

Basic Kit:
- Part Number: C2L00106STP
- 2 2-Bladed Propellers: HC-C2YL-2CUF/FC7663-4
- 2 Polished Spinners: 836-29P
- 1 STC Document Set: SA00721CH

Aircraft Serial and registration numbers required when ordering
All Prices FOB Hartzell Propeller Inc.
Prices do not include Ohio State Sales Tax
Installation and Dynamic Balancing available at an additional charge

Telephone: (937) 778-5726 Option 2 / (800) 942-7767 Option 2
Internet: www.hartzellprop.com
Fax: (937) 778-4215
Email_topprop@hartzellprop.com
PIPER APACHE

**Applicable Models:** PA-23, PA-23-160

**Specifications:**
- 72 inch diameter 2-bladed, aluminum hub propeller
- 2400 hour / 6 year TBO
- 63.5 pounds (prop & spinner)
- 70 inch minimum diameter

**Replaces:**
- Hartzell HC-82XL, HC-82VL - 72 inch 2-bladed steel hub prop
- 66 pounds (prop & spinner)
- Diameter reduction allowable to 70 inches
- 500 hour inspection per AD95-11-08
- Blade retention system inspection per AD 97-18-02
- 2000 hour / 5 year TBO

**Advantages:**
- Lighter weight (5 pounds per aircraft)
- Current design / new production
- Eliminates AD97-18-02 inspection requirements
Piper PA23-250 with serial number 27-2505 and later with IO-540-C4B5 or TIO-540-C1A engines.

Basic Kit:
- **Part Number:** E2R00123STP
  - 2 Bladed Propeller: HC-E2YR-2BTF/FC7693F+1
  - 2 Composite Painted Spinner (Matterhorn White): 103409F1
  - 1 STC Document Set: SA02874CH-D

De-iced Kit:
- **Part Number:** E2R00122 STP (28v) or E2R00124 (14v)
  - 2 Bladed Propeller: HC-E2YR-2BTF/FC7693FB+1 (28v) or HC-E2YR-2BTF/FC7693FB+1[*1 (14v)
  - 2 Composite Painted Spinner (Matterhorn White): 103409F1
  - 1 STC Document Set: SA02874CH-D

Aircraft Serial and registration numbers required when ordering
All Prices FOB Hartzell Propeller Inc.
Prices do not include Ohio State Sales Tax
Installation and Dynamic Balancing available at an additional charge

Telephone: (937) 778-5726 Option 2 / (800) 942-7767 Option 2
Internet: www.hartzellprop.com
Fax: (937) 778-4215
Email: topprop@hartzellprop.com
PIPER AZTEC

**Applicable Models:** PA-23-250 Aztec C, D, E, & F with Lycoming IO-540-C4B5 or TIO-540-C1A engines. Serial number 27-2505 though 27-8154029.

**Specifications:** 77-inch diameter 2-bladed light weight aluminum hub propeller with counter-weighted aluminum “Scimitar” blades / Composite Spinner Assy. 2400 hour / 6 year TBO 62.0 pounds Diameter reduction allowable to 75.5”

**Replaces:** 77” Hartzell aluminum non counter-weighted aluminum 2 blade props 2000 hour / 5 year TBO 58.0 pounds Diameter reduction allowable to 76”

**Advantages:** Improved cruise speed (2 - 3 knots) High reliability counter-weight to feather / oil pressure to low pitch change system Swept-tip Scimitar blades for reduced noise “Blended Airfoil” technology for maximum all around performance Improved appearance Maintains propeller de-ice protection Longer TBO than original 2-blade

**Notes:** Composite “Matterhorn White” poly-urethane painted spinner domes. No governor or control changes required. Minimal de-ice installation time.
Piper PA24 (180HP) Comanche
With O-360 engine

Basic Kit:

- **Part Number:** C2R00027STP
- 1 2-Bladed Propeller: HC-C2YR-1BF/F7666A-4
- 1 Composite Spinner: 103585(F1) – white OR 103585(F2) – silver
- 1 STC Document Set: SA00631CH

---

Aircraft Serial and registration numbers required when ordering

All Prices FOB Hartzell Propeller Inc.

Prices do not include Ohio State Sales Tax

Installation and Dynamic Balancing available at an additional charge

Telephone: (937) 778-5726 Option 2 / (800) 942-7767 Option 2

Fax: (937) 778-4215

Internet: [www.hartzellprop.com](http://www.hartzellprop.com)

Email: topprop@hartzellprop.com
PIPER 180 COMANCHE

Applicable Models: PA-24-180

Specifications: 72 inch diameter 2-bladed, aluminum hub propeller
2400 hour / 6 year TBO
58 pounds (propeller and spinner)
Placard - “Avoid continuous ops. between 2000 and 2250 RPM.”

Replaces: McCauley C14 - 74 inch diameter 2-bladed prop
Diameter reduction allowable to 72 inches
1200 hours / 5 year TBO
63 pounds (prop & spinner)

Hartzell HC-92ZK - 72 inch 2-bladed steel hub prop
66 pounds (prop & spinner)
Diameter reduction allowable to 70.5 inches
500 hour inspection per AD95-11-08
2000 hour / 5 year TBO

Advantages: Lighter weight
Longer TBO
Current design
Lowest cost Comanche 180 propeller
Piper PA24 (180HP) Comanche Scimitar
With O-360 engine

Basic Kit:
- **Part Number:** C2R10704STP
- 1 2-Bladed Propeller: HC-C2YR-1BFP/F7497
- 1 Composite Spinner: 103585(F1) – white OR 103585(F2) – silver
- 1 STC Document Set: SA00631CH

Aircraft Serial and registration numbers required when ordering
All Prices FOB Hartzell Propeller Inc.
Prices do not include Ohio State Sales Tax
Installation and Dynamic Balancing available at an additional charge

**Telephone:** (937) 778-5726 Option 2 / (800) 942-7767 Option 2
**Fax:** (937) 778-4215
**Internet:** [www.hartzellprop.com](http://www.hartzellprop.com)
**Email:** topprop@hartzellprop.com
PIPER COMANCHE 180

Applicable Models: PA-24

Specifications:
74 inch diameter 2-bladed, aluminum hub “Scimitar” propeller
Diameter reduction allowed to 72.5 inches
2400 hour / 6 year TBO
62 pounds (propeller and spinner)

Replaces:
Hartzell 72 inch diameter 2-bladed, aluminum hub propeller
No diameter reduction allowed
2400 hour / 6 year TBO
58 pounds (propeller and spinner)
Placard - “Avoid continuous ops. between 2000 and 2250 RPM.”

McCauley C14 - 74 inch diameter 2-bladed prop
Diameter reduction allowable to 72 inches
1200 hours / 5 year TBO
63 pounds (prop & spinner)
Placard - “Avoid continuous operations while descending between 2250 and 2550 RPM.”

Hartzell HC-92ZK-8D/8447A-12A - 72 inch 2-bladed steel hub prop
66 pounds (prop & spinner)
Diameter reduction allowable to 70.5 inches
500 hour inspection per AD95-11-08
2000 hour / 5 year TBO

Advantages:
Improved cruise performance (1-4 knots)
Eliminates RPM limitations and placards
Longer TBO
Current design

MCT June 2013
Piper PA24-260, 260B Comanche
With O-540, IO-540 engine

Basic Kit:

**Part Number:** C3R00023STP
1 3-Bladed Propeller: HC-C3YR-1RF/F7590
1 Composite Spinner: 103629(F1) White OR 103629(F2) Silver
1 STC Document Set: SA288CH

Aircraft Serial and registration numbers required when ordering
All Prices FOB Hartzell Propeller Inc.
Prices do not include Ohio State Sales Tax
Installation and Dynamic Balancing available at an additional charge

Telephone: (937) 778-5726 Option 2 / (800) 942-7767 Option 2
Fax: (937) 778-4215
Internet: [www.hartzellprop.com](http://www.hartzellprop.com)
Email: topprop@hartzellprop.com
PIPER 260 COMANCHE

Applicable Models: PA-24-260

Note: Upon ordering, please advise if the aircraft has a cowling modification. (May require a different spinner)

Specifications: 77 inch diameter 3-bladed, scimitar, aluminum hub propeller (includes a fixed flap on the trailing edge of each blade that can be used with LoPresti Speed Merchants cowling)
- 2400 hour / 6 year TBO
- 74 pounds (propeller and spinner)
- Diameter reduction allowable to 76 inches

Replaces: Hartzell HC-C2YK- 77 inch 2-bladed aluminum hub prop
- Diameter reduction allowable to 75 inches
- 2000 hour / 5 year TBO
- 57 pounds (propeller & spinner)

Advantages:
- Better performance
- Lower noise
- Improved appearance
- Longer TBO
- Compatible with LoPresti Speed Merchants cowling STC
Piper PA24-260C Comanche
With IO-540 engine

Basic Kit:
Part Number: E3R00019STP
1 3-Bladed Propeller: HC-E3YR-1RF/F7590
1 Polished Spinner: C-4582-P
1 STC Document Set: SA288CH

Aircraft Serial and registration numbers required when ordering
All Prices FOB Hartzell Propeller Inc.
Prices do not include Ohio State Sales Tax
Installation and Dynamic Balancing available at an additional charge

Telephone: (937) 778-5726 Option 2 / (800) 942-7767 Option 2
Internet: www.hartzellprop.com
Fax: (937) 778-4215
Email: topprop@hartzellprop.com
PIPER 260 COMANCHE

Applicable Models: PA24-260C

Note: Upon ordering, please advise if the aircraft has a cowling modification. (May require a different spinner)

Specifications: 77 inch diameter 3-bladed, scimitar, aluminum hub propeller
2400 hour / 6 year TBO
83.3 pounds (propeller and spinner)
Diameter reduction allowable to 76 inches

Replaces: Hartzell HC-E2YK- 77 inch 2-bladed aluminum hub prop
Diameter reduction allowable to 75 inches
2000 hour / 5 year TBO
63 pounds (propeller & spinner)

Advantages:
Better performance
Lower noise
Improved appearance
Longer TBO
Piper PA28R-180, 200, 201 Arrow
With IO-360-C1C(6), -B1E, -C1C engine

Basic Kit: (180 HP engine)
Part Number: C3R00021STP*2
1 3-Bladed Propeller: HC-C3YR-1RF/F7282
1 Composite Spinner: 103629(F1) White OR 103629(F2) Silver
1 STC Document Set: SA4528NM

Basic Kit: (200 HP engine)
Part Number: C3R00022STP*1
1 3-Bladed Propeller: HC-C3YR-1RF/F7282
1 Composite Spinner: 103629(F1) White OR 103629(F2) Silver
1 STC Document Set: SA4528NM

Aircraft Serial and registration numbers required when ordering
All Prices FOB Hartzell Propeller Inc.
Prices do not include Ohio State Sales Tax
Installation and Dynamic Balancing available at an additional charge

Telephone: (937) 778-5726 Option 2 / (800) 942-7767 Option 2
Internet: www.hartzellprop.com
Fax: (937) 778-4215
Email: topprop@hartzellprop.com
PIPER ARROW

**Applicable Models:**
- PA-28R-180 (180 hp)
- PA-28R-200, PA-28R-201, PA-28RT-201 (200 hp)

**Specifications:**
- 74 inch diameter 3-bladed aluminum hub propeller
- 2400 hour / 6 year TBO
- 71 pounds (propeller and spinner)
- Diameter reduction allowable to 73 inches
- Placard - "Avoid cont. ops. below 15" btwn. 1950 and 2350 rpm"

**Replaces:**
- Hartzell HC-C2YK-1BF/F7666A-2 - 74 inch dia. 2-bladed prop
  - Diameter reduction allowable to 72.5 inches
  - 2000 hour / 5 year TBO
  - 57 pounds (propeller and spinner)
  - Placard - "Avoid cont. ops. between 2100 and 2350 rpm."
- McCauley C213 - 74 inch diameter 2-bladed prop
  - Diameter reduction allowable to 73 inches
  - 2000 hour / 6 year TBO
  - 54.3 pounds (propeller and spinner)
  - Placard - "Avoid cont. ops. below 15" btwn 1500 and 1950 rpm."

**Advantages:**
- Better take-off and climb performance
- Longer TBO than McCauley’s
- Lower noise
- Improved appearance
- Less restrictive placards
Piper PA28R-201T Turbo Arrow III,
Piper PA28RT-201TTurbo Arrow IV
With TSIO-360-F, -FB engine

Basic Kit:

- **Part Number**: C3F00111STP
- 1 3-Bladed Propeller: PHC-C3YF-1RF/F7663-4T
- 1 Polished Spinner: C-3570-P
- 1 STC Document Set: SA01024CH

Aircraft Serial and registration numbers required when ordering.
All Prices FOB Hartzell Propeller Inc.
Prices do not include Ohio State Sales Tax
Installation and Dynamic Balancing available at an additional charge
PIPER TURBO ARROW

**Applicable Models:** PA-28R-201T, PA-28RT-201T

**Specifications:**
- 74 inch diameter 3-bladed aluminum hub propeller
- 2400 hour / 6 year TBO
- 74 pounds (propeller and spinner)
- Diameter reduction allowable to 72 inches

**Replaces:**
- Hartzell BHC-C2YF-1( )F/F8459A-8R - 76 inch dia. 2-bladed prop
- Diameter reduction allowable to 75 inches
- 2000 hour / 5 year TBO
- 54 pounds (propeller and spinner)
- Placard - "Avoid continuous ground operation 1700-2100 RPM in cross/tail winds over 10 kts."
- Placard - "Avoid continuous operation 2000-2200 RPM above 32" manifold pressure."

**Advantages:**
- Increased ground clearance
- Lower noise
- Eliminates placard
- Improved appearance
- Greater diameter repair
Piper PA28-235 Cherokee/Pathfinder
With O-540-B4B5 engine

Basic Kit:

**Part Number:** C3R00047STP
1 3-Bladed Propeller: HC-C3YR-1RF/F7693F
1 Polished Spinner: C-3535-1P
1 STC Document Set: SA01190LA

____________________

Aircraft Serial and registration numbers required when ordering
All Prices FOB Hartzell Propeller Inc.
Prices do not include Ohio State Sales Tax
Installation and Dynamic Balancing available at an additional charge

Telephone: (937) 778-5726 Option 2 / (800) 942-7767 Option 2
Internet: www.hartzellprop.com
Fax: (937) 778-4215
Email_topprop@hartzellprop.com
PIPER CHEROKEE 235 (CHEROKEE / PATHFINDER)

**Applicable Models:** PA-28-235

**Specifications:**
- 78 inch diameter 3-bladed, scimitar, aluminum hub propeller
- 2400 hour / 6 year TBO
- 77.5 pound (propeller and spinner)
- Diameter reduction allowable to 77 inches

**Replaces:**
- Hartzell HC-C2YK-1BF/F8468A-4 - 80 inch dia. 2-bladed prop
- NO diameter reduction allowed
- 2000 hour / 5 year TBO
- 59 pounds (propeller and spinner)

**Advantages:**
- Better take-off and climb performance
- Lower noise
- Improved appearance
- Increased ground clearance
- Longer TBO
- Improved blade repair limits
Piper PA28-236 Dakota
With O-540-J3A5D engine

Basic Kit:

Part Number: F3R00030STP
1 3-Bladed Propeller: HC-F3YR-1ARF/F7693F
1 Polished Spinner: C-3570-P
1 STC Document Set: SA01191LA

Aircraft Serial and registration numbers required when ordering
All Prices FOB Hartzell Propeller Inc.
Prices do not include Ohio State Sales Tax
Installation and Dynamic Balancing available at an additional charge

Telephone: (937) 778-5726 Option 2 / (800) 942-7767 Option 2
Fax: (937) 778-4215
Email: topprop@hartzellprop.com
PIPER 236 DAKOTA

**Applicable Models:** PA-28-236

**Specifications:**
- 78 inch diameter 3-bladed, scimitar, extended, aluminum hub propeller
- 2400 hour / 6 year TBO
- 79.2 pounds (propeller and spinner)
- Diameter reduction allowable to 76 inches

**Replaces:**
- Hartzell HC-F2YR-1BF/F8468-4R - 80 inch dia. 2-bladed prop
- Diameter reduction allowable to 78 inches
- 2000 hour / 5 year TBO
- 66 pounds (propeller and spinner)

**Advantages:**
- Better take-off and climb performance
- Lower noise
- Improved appearance
- Increased ground clearance
- Longer TBO
Piper PA30, PA39 Twin Comanche
With (L)IO-320 Series (Turbo and Non-Turbo) engine

Basic Kit: Standard Rotating (PA30)
Part Number: E2L00095STP
2 2-Bladed Propellers: HC-E2YL-2BSF/F7663-6Q
2 Polished Spinners: D-5749-P
1 STC Document Set: SA557GL

Basic Kit: Counter Rotating (PA39, or a PA30 with the engine conversion)
Part Number: E2L00095STP*1 / E2L00061STP
2 2-Bladed Propellers: HC-E2YL-2B(L)SF/F(J)7663-6Q
2 Polished Spinners: D-5749-(L)P
1 STC Document Set: SA557GL

Aircraft Serial and registration numbers required when ordering
All Prices FOB Hartzell Propeller Inc.
Prices do not include Ohio State Sales Tax
Installation and Dynamic Balancing available at an additional charge

Telephone: (937) 778-5726 Option 2 / (800) 942-7767 Option 2
Internet: www.hartzellprop.com
Fax: (937) 778-4215
Email: topprop@hartzellprop.com
PIPER TWIN COMANCHE

**Applicable Models:** PA-30, PA-39
*Note: Please specify when ordering this kit whether the same or counter-rotating propellers are needed.*

**Specifications:**
- 70 inch diameter 2-bladed, aluminum hub propeller
- 2400 hour / 6 year TBO
- 2 pounds heavier per aircraft
- 70 inch minimum diameter

**Replaces:**
- Hartzell HC-E2YL - 72 inch 2-bladed aluminum hub prop
  - Diameter reduction allowable to 70 inches
  - 2000 hour / 5 year TBO

**Advantages:**
- Current design / new production
- Lower noise
- Greater ground clearance
- More durable spinner assembly
Piper PA32-260 Cherokee Six 260
With O-540-E4B5 engine

Basic Kit:
- **Part Number:** C3R00031STP
- 1 3-Bladed Propeller: HC-C3YR-1RF/F7693F
- 1 Polished Spinner: C-3535-1P
- 1 STC Document Set: SA1105CH

Aircraft Serial and registration numbers required when ordering
All Prices FOB Hartzell Propeller Inc.
Prices do not include Ohio State Sales Tax
Installation and Dynamic Balancing available at an additional charge

Telephone: (937) 778-5726 Option 2 / (800) 942-7767 Option 2
Internet: [www.hartzellprop.com](http://www.hartzellprop.com)
Fax: (937) 778-4215
Email: topprop@hartzellprop.com
PIPER CHEROKEE SIX 260

Applicable Models: PA-32-260
*Note: Upon ordering, please advise if the aircraft has a cowling modification. (May require a different spinner)

Specifications: 78 inch diameter 3-bladed aluminum hub propeller
2400 hour / 6 year TBO
77.5 pounds (propeller and spinner)
Diameter reduction allowable to 76 inches

Replaces: Hartzell HC-C2YK-1BF/F8477-2 - 82 inch dia. 2-bladed prop
Diameter reduction allowable to 80.5 inches
2000 hour / 5 year TBO
59.1 pounds (propeller and spinner)

Advantages: Better take-off and climb performance
Lower noise
Improved appearance
Increased ground clearance
Longer TBO
Piper PA32(R)(T)-300 Lance, Cherokee Six
With IO-540 series engine

Basic Kit:

Part Number: C3R01150STP
1 3-Bladed Propeller: HC-C3YR-1RF/F7663R*3
1 Composite Spinner: 103629(F1) White OR 103629(F2) Silver
1 STC Document Set: SA1791GL

__________________________________________________________________________________________________

Aircraft Serial and registration numbers required when ordering
All Prices FOB Hartzell Propeller Inc.
Prices do not include Ohio State Sales Tax
Installation and Dynamic Balancing available at an additional charge

Telephone: (937) 778-5726 Option 2 / (800) 942-7767 Option 2
Internet: www.hartzellprop.com
Fax: (937) 778-4215
Email: topprop@hartzellprop.com
PIPER LANCE

Applicable Models: PA-32-300, PA-32R-300, PA-32RT-300

Note: Upon ordering, please advise if the aircraft has a cowling modification. (May require a different spinner)

Specifications: 78 inch diameter 3-bladed aluminum hub propeller
2400 hour / 6 year TBO
71.6 pounds (propeller and spinner)
Diameter reduction allowable to 76 inches

Replaces: Hartzell HC-C2YK-1BF/F8475D-4 - 80 inch dia. 2-bladed prop
Diameter reduction allowable to 78.5 inches
2000 hour / 5 year TBO
55.8 pounds (propeller and spinner)
repetitive eddy current inspection per AD2001-23-08
Hartzell HC-C2YK-1BF/F8475R - 84 inch diameter 2-bladed prop
Diameter reduction allowable to 82.3 inches
2000 hour / 5 year TBO
repetitive eddy current inspection per AD2001-23-08

Advantages: Better take-off and climb performance
Dramatically lower noise
Improved appearance
Improved ground clearance, less blade tip erosion
Elimination of AD hub inspection
Piper PA32RT-300T Turbo Lance II
With TSIO-540 Series engine

Basic Kit:

Part Number: E3R00008STP
1 3-Bladed Propeller: HC-E3YR-1RF/F7673DR-0
1 Polished Spinner: C-3575-P
1 STC Document Set: SA3181NM

Aircraft Serial and registration numbers required when ordering
All Prices FOB Hartzell Propeller Inc.
Prices do not include Ohio State Sales Tax
Installation and Dynamic Balancing available at an additional charge

Telephone: (937) 778-5726 Option 2 / (800) 942-7767 Option 2
Internet: www.hartzellprop.com
Fax: (937) 778-4215
Email: topprop@hartzellprop.com
PIPER TURBO LANCE

Applicable Models: PA-32RT-300T

Note: Upon ordering, please advise if the aircraft has a cowling modification. (May require a different spinner)

Specifications: 78 inch diameter 3-bladed aluminum hub propeller 2400 hour / 6 year TBO Diameter reduction allowable to 76 inches 84 pounds (propeller & spinner) Weight change 20.5 pounds

Replaces: Hartzell HC-E2YR-1BF/F8477-4 - 80 inch dia. 2-bladed prop Diameter reduction allowable to 78.5 inches 2000 hour / 5 year TBO 63.5 pounds (propeller & spinner) Repetitive eddy current inspection per AD2001-23-08

Advantages: Better take-off and climb performance Dramatically lower noise Improved appearance Improved ground clearance, less blade tip erosion Elimination of AD hub inspection Compatible with Turbo Plus inter-cooler kit (STC SA2935NM)
Piper PA34-200T Seneca II
With (L)TSIO-360-E, -EB engine

Basic Kit w/o Electric De-ice:
Part Number: C3F00510STP / C3F00610STP
2 3-Bladed Propellers: PHC-C3YF-2(L)KUF/F(J)C7663-2R
2 Polished Spinners: C-4558-3P
1 STC Document Set: SA1118SO

Kit with Electric De-ice: (Specify when replacing 2 bladed propellers)
Part Number: C3F00511STP / C3F00611STP
2 3-Bladed Propellers: PHC-C3YF-2(L)KUF/F(J)C7663-2R
2 Polished Spinners: C-4558-3P
1 Airframe De-ice Kit: 102600-3
1 STC Document Set: SA1118SO

Kit with Electric De-ice: (Specify when replacing 3 bladed propellers)
Part Number: C3F00511STP / C3F00611STP
2 3-Bladed Propellers: PHC-C3YF-2(L)KUF/F(J)C7663-2R
2 Polished Spinners: C-4558-3P
1 Airframe De-ice Kit: 102600-4
1 STC Document Set: SA1118SO

Aircraft Serial and registration numbers required when ordering
All Prices FOB Hartzell Propeller Inc.
Prices do not include Ohio State Sales Tax
Installation and Dynamic Balancing available at an additional charge

Telephone: (937) 778-5726 Option 2 / (800) 942-7767 Option 2
Internet: www.hartzellprop.com
Fax: (937) 778-4215
Email: topprop@hartzellprop.com
PIPER SENECA II

**Applicable Models:** PA-34-200T

**Specifications:**
- 76 inch diameter 3-bladed aluminum hub propeller
- 2400 hour / 6 year TBO
- +32 pounds over 2-bladed Hartzells (propeller and spinner)
- -5.2 pounds from 3-bladed McCauleys (propeller and spinner)
- Diameter reduction allowable to 75 inches

**Replaces:**
- Hartzell BHC-C2YF-2C(L)UF/F(J)C8459-8R - 76 in dia. 2-bld prop
  - Diameter reduction allowable to 75 inches
  - 2000 hour / 5 year TBO
  - Placard - "Avoid cont. ops. btwn 2000-2200 rpm above 32".
  - Placard - "Avoid grd ops. cross/tail wind > 10 kts 1700-2100 rpm"

- McCauley C502 / C503 - 76 inch diameter 3-bladed props
  - Diameter reduction allowable to 76 inches
  - 2000 hour / 6 year TBO

**Advantages:**
- vs. 2-bladed Hartzell
  - Better take-off and climb performance
  - Improved appearance
  - Removes placards

- vs. 3-bladed McCauley
  - Less expensive
  - Longer TBO
Piper PA34-220T Seneca III
With (L)TSIO-360-KB engine

Basic Kit w/o Electric De-ice:
Part Number: C3F00550STP / C3F00650STP
2 3-Bladed Propellers: PHC-C3YF-2(L)KUF/F(J)C7453
2 Polished Spinners: C-4558-3P
1 STC Document Set: SA649GL

Kit with Electric De-ice: (Specify when replacing 2 bladed propellers)
Part Number: C3F00551STP / C3F00651STP
2 3-Bladed Propellers: PHC-C3YF-2(L)KUF/F(J)C7453
2 Polished Spinners: C-4558-3P
1 Airframe De-ice Kit: 102600-3
1 STC Document Set: SA649GL

Kit with Electric De-ice: (Specify when replacing 3 bladed propellers)
Part Number: C3F00551STP / C3F00651STP
2 3-Bladed Propellers: PHC-C3YF-2(L)KUF/F(J)C7453
2 Polished Spinners: C-4558-3P
1 Airframe De-ice Kit: 102600-4
1 STC Document Set: SA649GL

Aircraft Serial and registration numbers required when ordering
All Prices FOB Hartzell Propeller Inc.
Prices do not include Ohio State Sales Tax
Installation and Dynamic Balancing available at an additional charge
PIPER SENECA III

**Applicable Models:** PA-34-220T. Also approved on PA-34-200T equipped with (L)TSIO-360-KB engines.

**Specifications:**
- 76 inch diameter 3-bladed aluminum hub propeller
- 2400 hour / 6 year TBO
- +50 pounds over 2-bladed Hartzells (propeller and spinner)
- +19.5 pounds over 3-bladed McCauleys (propeller and spinner)
- Diameter reduction allowable to 75 inches

**Replaces:**
- Hartzell BHC-C2YF-2C(L)UF/F(J)C8459-8R-76 in dia. 2-bld prop
- Diameter reduction allowable to 75 inches
- 2000 hour / 5 year TBO
- Placard - "Avoid cont. ops. btwn 2000-2200 rpm above 32"."
- Placard - "Avoid ground ops. cross/tail wind > 10 kts 1700-2100 rpm"

McCauley C508 / C509 - 76 inch diameter 3-bladed props
- Diameter reduction allowable to 76 inches
- 2000 hour / 6 year TBO

**Advantages:**
- vs. 2-bladed Hartzell
  - Better take-off and climb performance
  - Improved appearance
  - Removes placards

- vs. 3-bladed McCauley
  - Less expensive
  - Longer TBO
Piper PA44-180 Seminole with O-360-E1A6D and O-360-A1H6 engines.

Basic Kit:
- Part Number: C2R00120STP
- Part Number: C2R00155STP
- 1 each 2-Bladed Propeller: HC-C2YR-2CEUFP/FC7497
- 1 each 2-Bladed Propeller: HC-C2YR-2CLEUFP/FJC7497
- 2 Aluminum Spinner Assemblies: D-6974-1P
- 1 STC Document Set: SA03022CH

Aircraft Serial and registration numbers required when ordering
All Prices FOB Hartzell Propeller Inc.
Prices do not include Ohio State Sales Tax
Installation and Dynamic Balancing available at an additional charge

Telephone: (937) 778-5726 Option 2 / (800) 942-7767 Option 2
Internet: www.hartzellprop.com
Fax: (937) 778-4215
Email: topprop@hartzellprop.com
PIPER SEMINOLE

**Applicable Models:** PA-44-180 Seminole with Lycoming 0-360-E1A6D and O-360-A1H6 engines. Turbo-charged Seminoles are NOT eligible for this conversion under this STC.

**Specifications:** 74-inch diameter 2-bladed aluminum hub propeller with Aluminum, blended airfoil “Scimitar” blades. 2400 hour / 6 year TBO 68.0 lb., Spinner 3.5 lb. Diameter reduction allowable to 72.5”

**Replaces:** 74-inch Hartzell aluminum 2 blade props 2000 hour / 5 year TBO 65.0 lb., Spinner 3.8 lb. Diameter reduction allowable to 72”

**Advantages:** Improved cruise speed (2 - 5 knots) Improved climb performance - plus 80 fpm @ 2500 MSL Improved margins - S.E. climb – plus 50 fpm - Balked landing climb – plus 60 fpm Swept-tip Scimitar blades for reduced noise - .9 dB(a) reduction “Blended Airfoil” technology for maximum all around performance Improved appearance Longer TBO than original 2-blade

**Notes:** Due to improved power off glide performance and lower decent rate, the FAA Approved Flight Manual Supplement for this STC includes a statement that the published landing distances over a 50 ft obstacle be increased by 10%.
Piper PA46-310P Malibu
With TSIO-520-BE engine

Basic Kit: s/n 46-8408038 and up
  Part Number: G3F10002STP
  1 3-Bladed Propeller: PHC-G3YF-1E/7890K
  1 Polished Spinner: C-3535-3P
  1 Propeller De-ice kit: 7931-5E2707-1
  1 Airframe De-ice kit: 7931-5E2707-2
  1 Airframe Electrical kit: E7623-1
  1 STC Document Set: SA01616CH

Basic Kit: s/n 46-8408001 through 46-8408037
  Part Number: G3F10002STP*1
  1 3-Bladed Propeller: PHC-G3YF-1E/7890K
  1 Polished Spinner: C-3535-3P
  1 Propeller De-ice kit: 7931-5E2707-1
  1 Airframe De-ice kit: 7931-5E2707-2
  1 Airframe Electrical kit: E7623-2
  1 STC Document Set: SA01616CH

Aircraft Serial and registration numbers required when ordering
All Prices FOB Hartzell Propeller Inc.
Prices do not include Ohio State Sales Tax
Installation and Dynamic Balancing available at an additional charge

Telephone: (937) 778-5726 Option 2 / (800) 942-7767 Option 2
Internet: www.hartzellprop.com
PIPER MALIBU

**Applicable Models:** PA-46-310P

**Specifications:**
- 80-inch diameter 3-bladed aluminum hub propeller with composite blades
- 2400 hour / 6 year TBO
- 68 pounds (propeller and spinner)

**Replaces:**
- Hartzell BHC-C2YF-1BF/F8052K - 80 inch dia. 2-bladed prop
  - 2000 hour / 5 year TBO
  - 59 pounds (propeller and spinner)

**Advantages:**
- Better take-off and climb performance
- Lower noise
- Improved appearance
- Smoother operation
- Longer TBO

**Notes:**
1.) Approximately 35 hours of labor are required to install this STC kit. (Approximately 30 hours are required when installed in conjunction with an annual inspection.)

2.) Wire is not included with the kit. The following wire is required:

<table>
<thead>
<tr>
<th>Wire</th>
<th>Quantity</th>
</tr>
</thead>
<tbody>
<tr>
<td>M22759/43-14</td>
<td>30 ft.</td>
</tr>
<tr>
<td>M22759/43-16</td>
<td>12 ft.</td>
</tr>
<tr>
<td>M22759/43-20</td>
<td>10 ft.</td>
</tr>
</tbody>
</table>

Supplier for the wire: A.E. Petsche
- (770) 381-9802 phone
- (770) 381-9882 fax
Piper PA46-350P Mirage (s/n 4622001-4622200, 4636001 and later); PA46R-350T Matrix with TIO-540-AE2A engine

Basic Kit:
- **Part Number:** I3R50100STP
- 1 3-Bladed Propeller: HC-I3Y1R-1N/N7605C+2
- 1 Polished Spinner: D-6750-1P
- 1 STC Document Set: SA02677CH-D

De-iced Kit:
- **Part Number:** I3R50120STP or I3R50120STP*1
- 1 3-Bladed Propeller: HC-I3Y1R-1N/N7605CK+2
- 1 Polished Spinner: D-6750-1P
- 1 Propeller De-ice kit: 102960-1
- 1 Airframe De-ice kit: 102960-2
- 1 Airframe Electrical kit: E7359-1
- 1 STC Document Set: SA02677CH-D

(*1 kit for airplanes already equipped with a Hartzell 3 blade composite propeller. New airframe kits are not required and not included.)

Aircraft Serial and registration numbers required when ordering.

All Prices FOB Hartzell Propeller Inc.
Prices do not include Ohio State Sales Tax.
Installation and Dynamic Balancing available at an additional charge.
PIPER MIRAGE / MATRIX

**Applicable Models:**
PA-46-350P Mirage
Serial number 4622001 to 4622200, 4636001 and later
PA-46R-350T Matrix

**Specifications:**
80-inch diameter 3-bladed light weight aluminum hub propeller with
ASC-II™ Advanced Structural Composite blades
2400 hour / 6 year TBO
64.0 pounds (propeller and spinner)

**Replaces:**
Hartzell HC-I2YR-1BF/F8074K - 80 inch dia. 2-bladed prop
2000 hour / 6 year TBO
63.5 pounds (propeller and spinner)

Hartzell HC-I3YR-1E/7890K 80 inch dia. 3 bladed prop.
2400 hour / 6 year TBO
75.4 pounds (propeller and spinner)

**Advantages:**
Improved cruise speed (2 knots over POH)
Lighter weight than existing 3-blade
Better take-off and climb performance than 2-blade
Lower noise and improved cooling
Improved appearance
Smoother operation than original 2-blade
Longer TBO than original 2-blade

**Notes:**
Model PA46-350P (s/n 462201 – 4622200 & 4630001 – 4636131) when removing a two blade Hartzell HC-I2YR-1BF/F8074K propeller.

1.) Approximately 40 hours of labor are required to install this STC kit with de-ice. (Approximately 30 hours are required when installed in conjunction with an annual inspection.)
2.) Wire is not included with the kit. The following wire is required:

<table>
<thead>
<tr>
<th>Wire</th>
<th>Quantity</th>
</tr>
</thead>
<tbody>
<tr>
<td>M22759/7-14</td>
<td>30 ft.</td>
</tr>
<tr>
<td>M22759/7-16</td>
<td>2 ft.</td>
</tr>
<tr>
<td>M22759/7-18</td>
<td>6 ft.</td>
</tr>
<tr>
<td>M22759/7-20</td>
<td>10 ft.</td>
</tr>
</tbody>
</table>

Supplier for the wire: Astro Wire & Cable
(800) 543-5810 phone

3.) Auxiliary cabin heat is interlocked with the propeller de-ice system.
(Auxiliary cabin heat is inoperative when propeller heat is turned on).

Note 4 applies to all eligible models:

4.) Installation kits assume that Hartzell HC-I2YR-1BF/F8074K or Hartzell HC-I3YR-1E/7890K propeller was installed per the original type certificate data sheet or STC SA1340CH. If any other propeller has been installed, the aircraft must be returned to the original type certified configuration before installing this STC. A 2 – 3 hour installation time should be expected where the Hartzell HC-I3YR-1E/7890K three blade propeller was installed previously.
Piper PA-46-500TP Malibu Meridian with PT6A-42A engine

Kit with Electric De-ice:
- Part Number: 5DN00001S
- 1 5-Bladed ASCII Composite Propeller: 5D3-N338A1/78D01B
- 1 Polished Spinner: 105951P
- 1 De-ice kit (airframe): 106337
- 1 STC Document Set: SA04045CH
- 1 Gust-Lock Cover: 106515-500

Aircraft Serial and registration numbers required when ordering
All Prices FOB Hartzell Propeller Inc.
Prices do not include Ohio State Sales Tax
Installation and Dynamic Balancing available at an additional charge

Telephone: (937) 778-5726 Option 2 / (800) 942-7767 Option 2
Internet: www.hartzellprop.com
Fax: (937) 778-4215
Email: topprop@hartzellprop.com
Piper PA-46-500TP Malibu Meridian, M500

**Applicable Models:** Piper PA-46-500TP

**Specifications:** Hartzell 82.5” inch diameter 5-bladed, all carbon Advanced Structural Composite, Second Generation (ASC-II), swept-tip, scimitar composite blades with all new lighter-weight aluminum “Raptor®” hub propeller.

- 4000 hour / 6 year TBO
- 128.8 pounds (prop and spinner)

**Replaces:**

- Hartzell – 82.5” HC-E4N-3Q/E8501B-3.5 4-bladed aluminum
- 4000 hours/6 year TBO
- 144.8 pounds
- Diameter: to 82.5” Max., 81.5” min.

- MT-Propeller 79.92” 5 blade MTV-27-1-E-C-F-R(P)/CFR203-58d with laminated wood blades
- 3000 hours/6 years
- 142 lb (prop w/de-ice)

**Advantages:**

- Carbon fiber construction allowing for thinner, stiffer airfoil design for better all around performance.
- 20% greater take-off acceleration.
- 90 fpm better ROC at Vy.
- 2-3 knots cruise speed increase.
- Significantly reduced weight.
- Measured take-off and climb noise number of 74.9 dB(a) complies with both FAR Part 36, Appendix G, and ICAO, Annex 16, Chapter 10 by a wide margin. 1.9 dB(a) reduction from standard airplane.
- No change in RPM limitations or placards.
- Strongest material available with field replaceable nickel steel leading edge erosion shield – no lost performance due to reduced diameter
- Best Warranty in the industry along with worldwide support.

MCT January 2016
Piper PA-46-600TP (M600) with PT6A-42A engine

Kit with Electric De-ice:
Part Number: 5DN00650S
1 5-Bladed ASCII Composite Propeller: 5D3-N338A1/78D01B*2
1 Polished Spinner: 10691TP
1 De-ice kit (airframe): 106337
1 Gust-Lock Cover: 106515-500

Aircraft Serial and registration numbers required when ordering
All Prices FOB Hartzell Propeller Inc.
Prices do not include Ohio State Sales Tax
Installation and Dynamic Balancing available at an additional charge

Telephone: (937) 778-5726 Option 2 / (800) 942-7767 Option 2
Internet: www.hartzellprop.com
Fax: (937) 778-4215
Email: topprop@hartzellprop.com
Piper PA-46-600TP, M600

**Applicable Models:** Piper PA-46-600TP

**Specifications:** Hartzell 82.5” inch diameter 5-bladed, all carbon Advanced Structural Composite, Second Generation (ASC-II), swept-tip, scimitar composite blades with all new lighter-weight aluminum “Raptor®” hub propeller.
- 4000 hour / 6 year TBO
- 128.8 pounds (prop and spinner)

**Advantages:** Carbon fiber construction allowing for thinner, stiffer airfoil design for better all around performance

Measured take-off and climb noise number of 74.9 dB(a) complies with both FAR Part 36, Appendix G, and ICAO, Annex 16, Chapter 10 by a wide margin.

Strongest material available with field replaceable nickel steel leading edge erosion shield - no lost performance due to reduced diameter

Best warranty in the industry along with worldwide support

BD June 2017
American Champion 8GCBC Scout & Denali Scout Model with O-360-C1A, -C1E, -C1G (180 hp), or IO-390-A1B6 (210 hp) engines. All gross weights. NO RPM Restrictions

2 Blade ASCII Propeller STC Kit:
( Includes: Propeller, Spinner, and STC Documents)

Basic Kit:
Part number: C2R40875STP (180 hp) or C2R40900STP (210 hp)
1 2-Bladed Propeller
1 Polished Spinner
1 STC Document Set

Aircraft Serial and registration numbers required when ordering
All Prices FOB Hartzell Propeller Inc.
Prices do not include Ohio State Sales Tax
Installation and Dynamic Balancing available at an additional charge

Telephone: (937) 778-5726 Option 2 / (800) 942-7767 Option 2
Internet: www.hartzellprop.com
Fax: (937) 778-4215
Email_topprop@hartzellprop.com
American Champion Aircraft (Champion Aircraft, Bellanca)

**Applicable Models:** 8GCBC

**Specifications:**
- 80 inch diameter 2-bladed, aluminum hub, ASC II Carbon Composite Blades
- 2400 hour / 6 year TBO
- 41.0 pounds (propeller only)

**Replaces:**
- Hartzell HC-C2YK-1BF/F7666A 2-blade aluminum hub and blades
  - Diameter: Max. 76", Min 72"
  - 2400 hour / 6 year TBO
  - 57.0 Pounds (w/metal spinner)
  - Placard: "Avoid 2000-2300 Continuous Operation".

- Hartzell HC-C3YR-1RF/F7282-2-blade aluminum hub, ASCII Composite Blades
  - Diameter: Max. 72", Min 70"
  - 2400 hour / 6 year TBO
  - 67.5 Pounds
  - Placard: "Avoid 1950 - 2350 Continuous Operation Below 15 Inches M.P.".

- MTV-15-B/190-18a 75 inch diameter 3-blade, wood propeller
  - 74.5 inch minimum diameter
  - 2400 Hours / 6 years
  - 54.0 Pounds

- MTV-9-B/203-58 80.25 inch diameter 2-blade, wood propeller
  - 79.75 inch minimum diameter
  - 2400 Hours / 6 years
  - 45.0 Pounds

**Advantages:**
- No RPM Restrictions.
- Improved climb performance 3% - 6% over two blade laminated wood propeller.
- Approved at all gross weights.
- Smoother idle,
- Light weight.
- High durability and lowest life cycle cost, Unlimited life blades.
- Best warranty in the industry & worldwide support.

**Notes:**

MCT 2/16
Aviat Husky A-1 thru A-1C-180 and A-1C-200 with O-360-C1G, -A1P (180 hp), or IO-360-A1D6 (200 hp) engines. All gross weights. NO RPM Limitations

2 Blade ASCII Propeller STC Kit:
(Includes: Propeller, Spinner, and STC Documents)

Basic Kit:

<table>
<thead>
<tr>
<th>Part number</th>
<th>C2R40500STP (180 hp) or C2R40600STP (200 hp)</th>
</tr>
</thead>
<tbody>
<tr>
<td>1 2-Bladed Propeller</td>
<td>HC-C2YR-1N/NG8301-3 “Trailblazer”</td>
</tr>
<tr>
<td>1 Polished Spinner</td>
<td>C-3568-P, or</td>
</tr>
<tr>
<td>1 Composite Spinner</td>
<td>105656F1 (Matterhorn White), or</td>
</tr>
<tr>
<td>1 Composite Spinner</td>
<td>105656F2 (Metallic Silver)</td>
</tr>
<tr>
<td>1 STC Document Set</td>
<td>SA11177SC</td>
</tr>
</tbody>
</table>

Aircraft Serial and registration numbers required when ordering
All Prices FOB Hartzell Propeller Inc.
Prices do not include Ohio State Sales Tax
Installation and Dynamic Balancing available at an additional charge

Telephone: (937) 778-5726 Option 2 / (800) 942-7767 Option 2
Internet: www.hartzellprop.com
Fax: (937) 778-4215
Email: topprop@hartzellprop.com
Aviat Husky

**Applicable Models:**  A-1, A-1A, A-1B, A-1C-180, A-1C-200

**Specifications:**  80 inch diameter 2-bladed, aluminum hub, ASC II Composite Blades
2400 hour / 6 year TBO
41.0 pounds (propeller only)

**Replaces:**
- Hartzell HC-C2YK-1BF/F7666A 2-blade aluminum hub and blades
  Diameter: Max. 76”, Min 72”
  2400 hour / 6 year TBO
  57.0 Pounds (w/metal spinner)
- Hartzell HC-C2YR-1N/F7605 2-blade aluminum hub, ASCII Composite Blades
  Diameter: Max. 76”, Min 72”
  2400 hour / 6 year TBO
  43.0 Pounds
- Hartzell HC-C2YK-1BF/F8477-4 2-blade aluminum hub and blades
  Diameter: Max. 80”, Min 78”
  2400 hour / 6 year TBO
  71.5 Pounds (with spinner and damper)
  De-rated to 2600 RPM (175 HP for noise)
- MTV-15-B/205-58  80.7 inch diameter 2-blade, wood propeller
  .8 inch diameter reduction allowed
  2400 Hours/6 years
  47.5 Pounds
  De-rated to 2600 RPM (175 HP for noise)

**Advantages:**
- Allows engine to run at full power continuously (2700 RPM)
- Improved take-off and climb performance
- Decreased take-off distance
- Approved at all gross weights
- FAR 36 compliant - Measured 81.7 dB(a) on A-1C-180/200,
  Measured 78.1 dB(a) on A-1, A-1A & A-1B
- Smoother idle
- Light weight
- High durability and lowest life cycle cost

**Notes:**
- Composite Spinner is approx. 2.0 lb. lighter than the aluminum version.

MCT 9/14
CIRRUS DESIGN SR22 & SR22T with IO-550-N, and TSIO-550-K engines
All gross weights.

3 Blade ASCII Propeller Kit:
(Includes: Propeller, Spinner, and optional anti-ice boots)

Basic Kit:

Part number: J3F90000AFM
Part number (booted): J3F90500AFM
1 3-Bladed Propeller: PHC-J3Y1F-1N/N7605C(B)
1 Polished Spinner: A-2295-11P

Aircraft Serial and registration numbers required when ordering
All Prices FOB Hartzell Propeller Inc.
Prices do not include Ohio State Sales Tax
Installation and Dynamic Balancing available at an additional charge

Telephone: (937) 778-5726 Option 2 / (800) 942-7767 Option 2
Internet: www.hartzellprop.com
Fax: (937) 778-4215
Email_topprop@hartzellprop.com
Cirrus Design

**Applicable Models:** SR22 & SR22T

**Specifications:**
- 78 inch diameter 3-bladed, aluminum hub, ASC II Composite Blades
- 2400 hour / 6 year TBO
- 57.25 prop/boots

**Replaces:**
- Hartzell PHC-J3YF-1RF/F7694(B) -3-blade aluminum hub and blades Diameter: Max. 78”, Min 76”
  - 2400 hour / 6 year TBO
  - 74.5 Pounds
- McCauley D3AC443/78CYA-0 3-blade aluminum hub,
  - Diameter: Max. 78”, Min 76”
  - 2400 hour / 6 year TBO
  - 69.7 Pounds
- Hartzell PHC-J3YF-1RF/F7693DF(B) 3-blade aluminum hub and blades
  - Diameter: Max. 78”, Min 76”
  - 2400 hour / 6 year TBO
  - 75.5 Pounds
- MTV-9-D/198-52 78 inch diameter 3-blade, wood propeller
  - Diameter: 78”
  - 2400 Hours/6 years
  - 53.0 Pounds

**Advantages:**
- Approved at all gross weights
- FAR 36 compliant
- Smoother idle
- Light weight
- High durability and lowest life cycle cost
- Approved in all countries were the SR22 has been certified.

**Notes:**
- This kit is Type Certificated on these aircraft per FAA Type Certificate Data Sheet A00009CH.

MCT 4/2015
Rockwell (Gulfstream) (Commander) 112, 112A, 112B, 112TC, 112TCA
With IO-360-C1D6, TO-360-C1A6D engine (Lycoming)

Basic Kit: for TC, TCA (Turbo)
Part Number: E3R00016STP
1 3-Bladed Propeller: HC-E3YR-1RF/F7392
1 Polished Spinner: C-3535-1P
1 STC Document Set: SA00499SE

Basic Kit: Non-Turbo Models
Part Number: E3R00017STP
1 3-Bladed Propeller: HC-E3YR-1RF/F7392
1 Polished Spinner: C-3535-1P
1 STC Document Set: SA00499SE

__________________________________________________________________________________________________
Aircraft Serial and registration numbers required when ordering
All Prices FOB Hartzell Propeller Inc.
Prices do not include Ohio State Sales Tax
Installation and Dynamic Balancing available at an additional charge

Telephone: (937) 778-5726 Option 2 / (800) 942-7767 Option 2
Fax: (937) 778-4215
Email: topprop@hartzellprop.com
Internet: www.hartzellprop.com
ROCKWELL (COMMANDER, GULFSTREAM AEROSPACE)

**Applicable Models:** 112, 112A, 112B, 112TC, 112TCA

* Note: The 112A designation does not appear on the STC documents. The FAA designates both the "112" and "112A" models as the "112" model aircraft within two serial number ranges. The "112A" designation was a marketing designation created by Rockwell which is not recognized by the FAA.

** Note: For aircraft which are equipped with an RCM Normalizing, Inc. "Hot Shot" turbo/intercooler system, you do not have the right to sell the STC kit. This kit is installed under STC SA5202NM, which is owned by RCM Normalizing, Inc. The only legal way to install the propeller on aircraft equipped with the turbo system is through RCM, and the customer must be referred to RCM. Contact information is:

RCM Normalizing, Inc  
Attention: Mr. Carl Lee  
6395 Parkhill Road  
Santa Margarita, CA 93453  
Phone: 805.215.2982  
E-mail: carl@rcmnormalizing.com  
Website: www.rcmnormalizing.com

**Specifications:**
- 75 inch diameter 3-bladed, scimitar, aluminum hub propeller  
  2400 hour / 6 year TBO  
  80.5 pounds (propeller and spinner)  
  Diameter reduction allowable to 73 inches  
  Placard: “Avoid continuous operation below 15” manifold pressure between 2050 and 2450 RPM.”

**Replaces:**
- Hartzell HC-E2YR-1BF/F7666A - 76 inch dia. 2-bladed prop  
  Diameter reduction allowable to 74 inches  
  2000 hour / 5 year TBO

- Hartzell HC-E2YR-1BF/F8467-7R – 77 inch dia. 2-bladed prop  
  Diameter reduction to 76.5 inches  
  2000 hour / 5 year TBO

**Advantages:**
- Better take-off and climb performance  
  Lower noise  
  Increased ground clearance  
  Less restrictive placard  
  Improved appearance  
  Compatible with RCM turbo-normalizing kit (STC SA5202NM)
Diamond DA 40(XL)
With IO-360-M1A engine

Basic Kit:

** Part Number: C2R10706STP
1 2-Bladed Propeller: HC-C2YR-1BF/F7497
1 Polished Spinner: A-2295-P
1 Oil Cooler Modification Kit: 102603
** already equipped on aircraft serial number 40.1030 and later

1 STC Document Set: SA02476CH-D

Aircraft Serial and registration numbers required when ordering
All Prices FOB Hartzell Propeller Inc.
Installation and Dynamic Balancing available at an additional charge
DIAMOND DA 40(XL)

**Applicable Models:** DA 40(XL)

**Specifications:**
- 74 inch diameter 2-bladed, aluminum hub, aluminum blades
- 2 inch diameter reduction allowed
- 2400 hour / 6 year TBO
- 62.8 pounds (propeller and spinner)

**Replaces:**
- MTV-12-B/180-17 – 71 inch diameter 3-blade, wood propeller
  - 2 inch diameter reduction allowed
- MTV-12-B/183-596 – 72 inch diameter 3-blade, wood propeller

**Advantages:**
- Allows engine to run at full power continuously (2700 RPM)
- More durable
- Fastest
- Least Expensive

**Notes:**
- Compatible with Hartzell S-1-6 or Woodward/Ontic C210776 Governor
- Compatible with Power Flow exhaust and early cowlng (STC SA03281AT)
- Compatible with Power Flow exhaust and later cowlng (STC SA02292NY)
- Compatible with Garmin G1000 Integrated Avionics System (STC SA01254WI)
- Compatible with original MAM-066 WCC Exhaust System
- Compatible with 2646 (1200kb) maximum take off weight
Diamond DA 40(XL)  
With IO-360-M1A engine

Basic Kit:

**Part Number:** C2R31D51STP  
1 2-Bladed Propeller: HC-C2YR-1N/N7605  
1 Polished Spinner: A-2295-P  
1 Oil Cooler Modification Kit: 102603  
**required on aircraft serial number 40.1029 and earlier**  
**already equipped on serial number 40.1030 and later**  
1 STC Document Set: SA02476CH-D

Aircraft Serial and registration numbers required when ordering

All Prices FOB Hartzell Propeller Inc.
Prices do not include Ohio State Sales Tax
Installation and Dynamic Balancing available at an additional charge

Telephone: (937) 778-5726 Option 2 / (800) 942-7767 Option 2
Internet: www.hartzellprop.com  
Fax: (937) 778-4215  
Email: topprop@hartzellprop.com
DIAMOND DA 40(XL)

**Applicable Models:** DA 40(XL)

**Specifications:**
- 76 inch diameter 2-bladed, aluminum hub, ASC II Composite Blades
- 2400 hour / 6 year TBO
- 46.8 pounds (propeller and spinner)

**Replaces:**
- MTV-12-B/180-17 – 71 inch diameter 3-blade, wood propeller
- 2 inch diameter reduction allowed
- MTV-12-B/183-596 – 72 inch diameter 3-blade, wood propeller

**Advantages:**
- Allows engine to run at full power continuously (2700 RPM)
- Smoother idle
- Lightest
- Most technologically advanced
- High durability and lowest life cycle cost

**Notes:**
- Compatible with Hartzell S-1-6 or Woodward/Ontic C210776 Governor
- Compatible with Power Flow exhaust and early cowling (STC SA03281AT)
- Compatible with Power Flow exhaust and later cowling (STC SA02292NY)
- Compatible with Garmin G1000 Integrated Avionics System (STC SA01254WI)
- Compatible with original MAM-066 WCC Exhaust System
- Compatible with 2646 (1200kb) maximum take off weight
Diamond DA 40
With IO-360-M1A engine

Basic Kit Includes:
Part Number: C2R00028STP
1 2-Bladed Propeller          HC-C2YR-1BF/F7495S
1 Polished Spinner            A-2295-P
1 STC Document Set            SA01850CH

Note 1. NOT COMPATIBLE with Power Flow exhaust system per Power Flow Systems STC SA03281AT.

Note 2. This STC is for sale for aircraft registered in all EASA countries, and China only. All others, see Hartzell STC SA02476CH-D propeller conversion kits.
DIAMOND DA 40

Applicable Models: DA 40

Specifications: 74 inch diameter 2-bladed, aluminum hub, shot peened blades
2 inch diameter reduction allowed
2400 hour / 6 year TBO
59 pounds (propeller and spinner)

Replaces: MTV-12-B/180-17 – 71 inch diameter 3-blade, wood propeller
2 inch diameter reduction allowed

Advantages:
- 2-4 knots increase in cruise speed
- Allows engine to run at full power continuously (2700 RPM)
- Smoother idle
- More durable

Notes: Special maintenance instructions apply for shot peened blades

NOT COMPATIBLE with Power Flow exhaust system per Power Flow Systems STC SA03281AT.

This STC is for sale for aircraft registered in all EASA countries, and China only. All others, see Hartzell STC SA02476CH-D propeller conversion kits.

MCT 3/13/13
Fairchild SA226-TC Metro II
(except s/n TC-398 through TC-418)
With TPE331-3, -10 Series engine

Basic Kit:
- Part Number: E4N00267STP
- 2 4-Bladed Propeller: HC-E4N-5D/D9690B
- 2 Polished Spinner: D-5319-P
- 1 Airframe De-ice kit: 7931-5E2647-2
- 2 STC Document Set: SE01461NY (engine)
  SA01462NY (airframe)

Aircraft Serial and registration numbers required when ordering
All Prices FOB Hartzell Propeller Inc.
Prices do not include Ohio State Sales Tax
Installation and Dynamic Balancing available at an additional charge

Telephone: (937) 778-5726 Option 2 / (800) 942-7767 Option 2
Internet: www.hartzellprop.com
Fax: (937) 778-4215
Email: topprop@hartzellprop.com
FAIRCHILD METRO II

Application Models: SA226-TC

Specifications: 97 inch diameter 4-bladed, aluminum hub propeller
- Diameter reduction allowable to 95 inches
- 4000 hour / 6 year TBO

Replaces: Hartzell HC-B3TN-5 / T10282 – 102 inch dia. 3-bladed propeller
- No diameter reduction allowable
- 3000 hour / 5 year TBO

Advantages:
- Dramatically lower noise
- Increased ground clearance
- Smoother overall operation

Notes:
- Modification requires 40 hours of labor including the modification to the engine and de-ice wiring
- No beta tube change is required, however rework is needed per Service Bulletin TPE331-72-0904

Basic Kit:
- **Part Number:** D4N00163S
- **1 4-Bladed Propeller:** HC-D4N-3P/D9511F
- **1 Polished Spinner:** D-630-P
- **1 STC Document Set:** SA377CH

____________________________________________________________________________________

Aircraft Serial and registration numbers required when ordering
All Prices FOB Hartzell Propeller Inc.
Prices do not include Ohio State Sales Tax
Installation and Dynamic Balancing available at an additional charge

Telephone: (937) 778-5726 Option 2 / (800) 942-7767 Option 2
Internet: www.hartzellprop.com
Fax: (937) 778-4215
Email_topprop@hartzellprop.com
Pilatus PC-6 Turbo Porter


Specifications:
- 96 inch dia 4-bladed, light-weight, aluminum hub propeller
- 4000 hour / 6 year TBO
- 125 pounds (propeller and spinner)
- Diameter reduction allowable to 95 inches
- Governor change required - See Installation Instructions for details (governor not supplied)
- De-ice equipment for this STC'ed prop is approved under Pilatus Type Certificate 7A15.

Replaces:
- Hartzell – 101.5" HC-B3TN-3D/T101731CN 3-bladed propeller
  - 3000 hours/5 year TBO
  - 123 pounds (prop)
  - Diameter reduction allowable to 99 inches
- Hartzell – 101.5" HC-B3TN-3D/T10178CNR 3-bladed propeller
  - 3000 hours/5 year TBO
  - 123 - 130 pounds (prop)
  - Diameter reduction allowable to 99 inches

Advantages:
- FAA STC SA377CH validated in China, France (EASA), Brazil, and Indonesia. Japan and Russia (pending).
- Reduced diameter for improved clearance on unimproved runways
- Longer TBO
- Current light-weight aluminum hub design
- Optional equipment on factory new aircraft
Pilatus PC-12, PC-12/45, PC-12/47, PC-12/47E up to and including S/N 1575

Kit with Electric De-ice:
- Part Number: E5A01502S
- 1 5-Bladed ASCII Composite Propeller: HC-E5A-3A/NC10245B
- 1 Polished Spinner: 105820P
- 1 De-ice kit (airframe): 105940
- 1 STC Document Set: SA03466CH
- 1 Gust-Lock Cover: 106515-012

______________________________
Aircraft Serial and registration numbers required when ordering
All Prices FOB Hartzell Propeller Inc.
Prices do not include Ohio State Sales Tax
Installation and Dynamic Balancing available at an additional charge
Pilatus PC-12, PC-12/45, PC-12/47, PC-12/47E up to and including S/N 1575

**Applicable Models:** Pilatus PC-12, PC-12/45, PC-12/47, PC-12/47E up to and including S/N 1575 with PT6A-67B or PT6A-67P engine

**Specifications:**

- Hartzell 105 inch diameter 5-bladed, HC-E5A-3A/NC10245B light-weight, aluminum hub propeller with all carbon Advanced Structural Composite, Second Generation (ASCII), swept-tip, scimitar composite blades
- 4000 hour / 6 year TBO
- 168.5 pounds (prop and spinner)

**Replaces:**

- Hartzell – 105" HC-E4A-3D/E10477SK 4-bladed aluminum 4000 hours/6 year TBO 176.8 pounds (prop and spinner)
- Diameter reduction allowable to 104 inches

- MT-Propeller 102.4" 5 blade MTV-27-1-N-C-F-R(P)/CFR260-65a with laminated wood blades 2500 hours/6 years 172.6 (prop w/de-ice) Diameter reduction allowable to 101.2"

**Advantages:**

- Carbon fiber construction allowing for thinner, stiffer airfoil design for better all around performance
- Over 10% improved take-off acceleration (0-90 knots)
- Up to 100 fpm better ROC
- 2-3 knots cruise speed increase
- Reduced weight
- Fly-over noise significantly reduced
- No change in RPM limitations or placards
- Strongest material available with field replaceable nickel steel leading edge erosion shield – no lost performance due to reduced diameter
- Best Warranty in the industry along with worldwide support.

MCT January 2016
Pilatus PC-12/47E S/N 1576 and up

5 Bladed Propeller STC Kit:
Includes: Propeller, Spinner, de-ice
$85,731

Kit with Electric De-ice:

Part Number: E5A01700S
1 5-Bladed ASCII Composite Propeller: HC-E5A-3A/NC10245B*1
1 Polished Spinner: 105820P
1 De-ice kit (airframe): 105940
1 Gust-Lock Cover: 106515-012

Aircraft Serial and registration numbers required when ordering
All Prices FOB Hartzell Propeller Inc.
Prices do not include Ohio State Sales Tax
Installation and Dynamic Balancing available at an additional charge

Telephone: (937) 778-5726 Option 2 / (800) 942-7767 Option 2
Internet: www.hartzellprop.com
Fax: (937) 778-4215
Email: topprop@hartzellprop.com
Pilatus PC-12/47E S/N 1576 and up

**Applicable Models:** Pilatus PC-12/47E S/N 1576 and up with PT6A-67B or PT6A-67P engine

**Specifications:** Hartzell 105 inch diameter 5-bladed, HC-E5A-3A/NC10245B*1 light-weight, aluminum hub propeller with all carbon Advanced Structural Composite, Second Generation (ASCII), swept-tip, scimitar composite blades
4000 hour / 6 year TBO
168.5 pounds (prop and spinner)

**Advantages:** Carbon fiber construction allowing for thinner, stiffer airfoil design for better all around performance

Strongest material available with field replaceable nickel steel leading edge erosion shield - no lost performance due to reduced diameter

Best warranty in the industry along with worldwide support

MCT January 2016
Socata TB20, TB21
With IO-540-C4D5D, TIO-540-A1B1AD engine

Basic Kit:
- Part Number: C3R00043STP
  - 1 3-Bladed Propeller: HC-C3YR-1RF/F7693F
  - 1 Polished Spinner: A-2295-3P
  - 1 STC Document Set: SA01192CH

Kit with Alcohol Anti-ice:
- Part Number: C3R00044STP
  - 1 3-Bladed Propeller: HC-C3YR-1RF/F7693FB
  - 1 Polished Spinner: A-2295-3P
  - 1 Alcohol Anti-ice kit: C-4686
  - 1 STC Document Set: SA01192CH

Aircraft Serial and registration numbers required when ordering
All Prices FOB Hartzell Propeller Inc.
Prices do not include Ohio State Sales Tax
Installation and Dynamic Balancing available at an additional charge
SOCATA TB20, TB21

**Applicable Models:** TB20, TB21

**Specifications:**
- 78 inch diameter 3-bladed aluminum hub, scimitar propeller
- 2400 hour / 6 year TBO
- Weight increase is 15 pounds
- Diameter reduction allowable to 76 inches

**Replaces:**
- Hartzell HC-C2YK-1BF/F8477-4 - 80 inch dia. 2-bladed prop
- Diameter reduction allowable to 78 inches
- 2000 hour / 5 year TBO

**Advantages:**
- Better take-off and climb performance
- Lower noise
- Improved appearance
- Increased ground clearance
Kit with Electric De-ice:
Part Number: E5N00501S
1 5-Bladed ASCII Composite Propeller: HC-E5N-3C/NC8834K
1 Polished Spinner: 105180P
1 De-ice kit (airframe): 105068
1 STC Document Set: SA03291CH
1 Gust-Lock Cover: 106515-900

Aircraft Serial and registration numbers required when ordering
All Prices FOB Hartzell Propeller Inc.
Prices do not include Ohio State Sales Tax
Installation and Dynamic Balancing available at an additional charge

Telephone: (937) 778-5726 Option 2 / (800) 942-7767 Option 2
Internet: www.hartzellprop.com
Fax: (937) 778-4215
Email_topprop@hartzellprop.com
Socata TBM 700, TBM 850

**Applicable Models:** Socata TBM 700A, B, C1, C2, and N (TBM 850) with PT6A-64, and PT6A-66D engines.

**Specifications:**
- Hartzell 91 inch dia 5-bladed, HC-E5N-3C/NC8834K light-weight, aluminum hub propeller with all carbon Advanced Structural Composite, Second Generation (ASCII), swept-tip, scimitar composite blades
- 3600 hour / 6 year TBO
- 151.8 pounds

**Replaces:**
- Hartzell – 91" HC-E4N-3-3D/E9083SK 4-bladed aluminum
- 4000 hours/6 year TBO
- 140.5 pounds (prop)
- Diameter reduction allowable to 90 inches
- MT-Propeller 88.6" 5 blade MTV-27-2-E-C-F-R(P)/CFR225-55f with laminated wood blades
- 2500 hours/6 years
- 146.6 (prop w/de-ice)
- Diameter reduction allowable to 86.6"

**Advantages:**
- Carbon fiber construction allowing for thinner, stiffer airfoil design for better all around performance
- 10% improved take-off acceleration (0-90 knots)
- 100 fpm better ROC
- 2-5 knots cruise speed increase
- Fly-over noise significantly reduced
- No RPM limitations or restrictions
- Strongest material available with field replaceable nickel steel leading edge erosion shield – no lost performance due to reduced diameter
- Best Warranty in the industry along with worldwide support
- EASA APPROVED.

MCT March 2014
Socata TBM 700N (TBM 900/930)

Kit with Electric De-ice:
Part Number: E5N00500S
1 5-Bladed ASCII Composite Propeller: HC-E5N-3C/NC8834K
1 Polished Spinner: 104552P
1 Gust-Lock Cover: 106515-900

Aircraft Serial and registration numbers required when ordering
All Prices FOB Hartzell Propeller Inc.
Prices do not include Ohio State Sales Tax
Installation and Dynamic Balancing available at an additional charge
Socata TBM 900, TBM 930

**Applicable Models:** Socata TBM 700N (TBM 900/930 only) and PT6A-66D engines.

**Specifications:** Hartzell 91 inch dia 5-bladed, HC-E5N-3C/NC8834K light-weight, aluminum hub propeller with all carbon Advanced Structural Composite, Second Generation (ASCII), swept-tip, scimitar composite blades
3600 hour / 6 year TBO
151.8 pounds

**Replaces:** Original Equipment on these aircraft

**Advantages:** Original Equipment on these aircraft
Trailblazer Homebuilt®
Carbon Fiber Composite Technology for select Lycoming (I)O-360 & IO-390 engines for amateur-built applications

2 Bladed ASCII Composite Propeller

FAA Designee tested, vibrationally compatible with select 180, 200, 210 hp Lycoming engines. For use with counter-weighted and non-counter-weighted crankshaft engines. Multiple diameter units available. Hartzell’s 8301 Trailblazer blade was specifically designed for low speed thrust, take-off, and climb performance.

Aircraft Serial and registration numbers required when ordering
All Prices FOB Hartzell Propeller Inc.
Prices do not include Ohio State Sales Tax
Installation and Dynamic Balancing available at an additional charge

Telephone: (937) 778-5726 Option 2 / (800) 942-7767 Option 2
Internet: www.hartzellprop.com
Fax: (937) 778-4215
Email: topprop@hartzellprop.com
Trailblazer Homebuilt®

Available Models:

Option 1:
83" 2 blade Carbon Fiber standard hub Constant Speed Trailblazer
C2RXXXXXXEXTP
HC-C2YR-1N/NG8301 propeller

Option 2:
80" 2 blade Carbon Fiber standard hub Constant Speed Trailblazer
C2RXXXXXXEXTP
HC-C2YR-1N/NG8301-3 propeller

Option 3:
78" 2 blade Carbon Fiber standard hub Constant Speed Trailblazer
C2RXXXXXXEXTP
HC-C2YR-1N/NG8301-5 propeller

Option 4:
76" 2 blade Carbon Fiber standard hub Constant Speed Trailblazer
C2RXXXXXXEXTP
HC-C2YR-1N/NG8301-7 propeller

Compatible with:

a. (I)O360-(1)1
180 HP @ 2700 RPM
No crankshaft counterweights
Compression ratio 8.5:1 or less
(Not compatible with Option 4)

b. (I)O360-(1)6
180 or 200 HP @ 2700 RPM
With crankshaft counterweights
Compression ratio 8.9:1 or less

c. IO-390-A3(6)
210 HP @ 2700

Specifications:
2-bladed, aluminum hub, ASC II Composite Blades
2400 hour / 6 year TBO
43.0 pounds (propeller)

Advantages:
No RPM limitations (yellow arc)
Smotherer idle
Very light weight
Most technologically advanced
High durability and lowest life cycle cost

Note 1: Trailblazer Homebuilt® kits do not come with spinner assemblies or spinner mounting kits.
Note 2: Models are available for special order only. Contact Mike Trudeau at 937-778-4212 for details.